

**CRAFTSMAN AUTOMATIC PRESS
10 x 15 & 12 x 18 SIDE DELIVERY
CATALOGUE OF PARTS**



**THE
CHANDLER & PRICE
COMPANY**

6000 CARNEGIE AVENUE

CLEVELAND 3, OHIO

U. S. A.

CHANDLER & PRICE CRAFTSMAN AUTOMATIC PRESS 10 x 15 & 12 x 18 SIDE DELIVERY Catalogue of Parts

HOW TO IDENTIFY A PART

To find the number, name and description of a part, proceed in the following manner:

1. Locate the required part in the assembly illustration, and note the accompanying key number for that part.
2. Locate that key number in the first column of the accompanying parts (Parts) list shown on the pages immediately following the assembly illustration. NOTE: The prefix letters preceding the key number identify the assembly illustration in which the part is shown.
3. Copy the part number, name and description as given in the second and third columns for the required part key number.

HOW TO ORDER A PART

To order a part, find the part number, name and description of the required part as directed in "How to Identify a Part" immediately above. Order the part by specifying part number, name and description, the size of the press, and the press serial number, which can be found stamped on the bed of the press in the upper left hand corner. Do not use the key number appearing on the assembly illustration.

Parts indicated with an asterisk (*) preceding their name and description, will be sold only with certain parts attached. They will not be sold separately. This is done because the function of the assembly in the press, or feeder, necessitates the fitting of mating parts at the factory, to assure proper operation of the assembly or sub-assembly as a whole.

Included at the back of the catalogue is a complete classified list, with part numbers arranged in numerical order. This list gives the key numbers, as well as the part numbers for the parts as shown in the assembly illustrations.

Always state a definite mode of transportation, whether by AIR EXPRESS, RAILWAY EXPRESS, PARCEL POST or FREIGHT. Parts are shipped F. O. B. factory. In practically all cases, parts ordered will be shipped from the factory the same day the order is received.

THE CHANDLER & PRICE CO.
6000 Carnegie Avenue Cleveland 3, Ohio

FIGURE AA

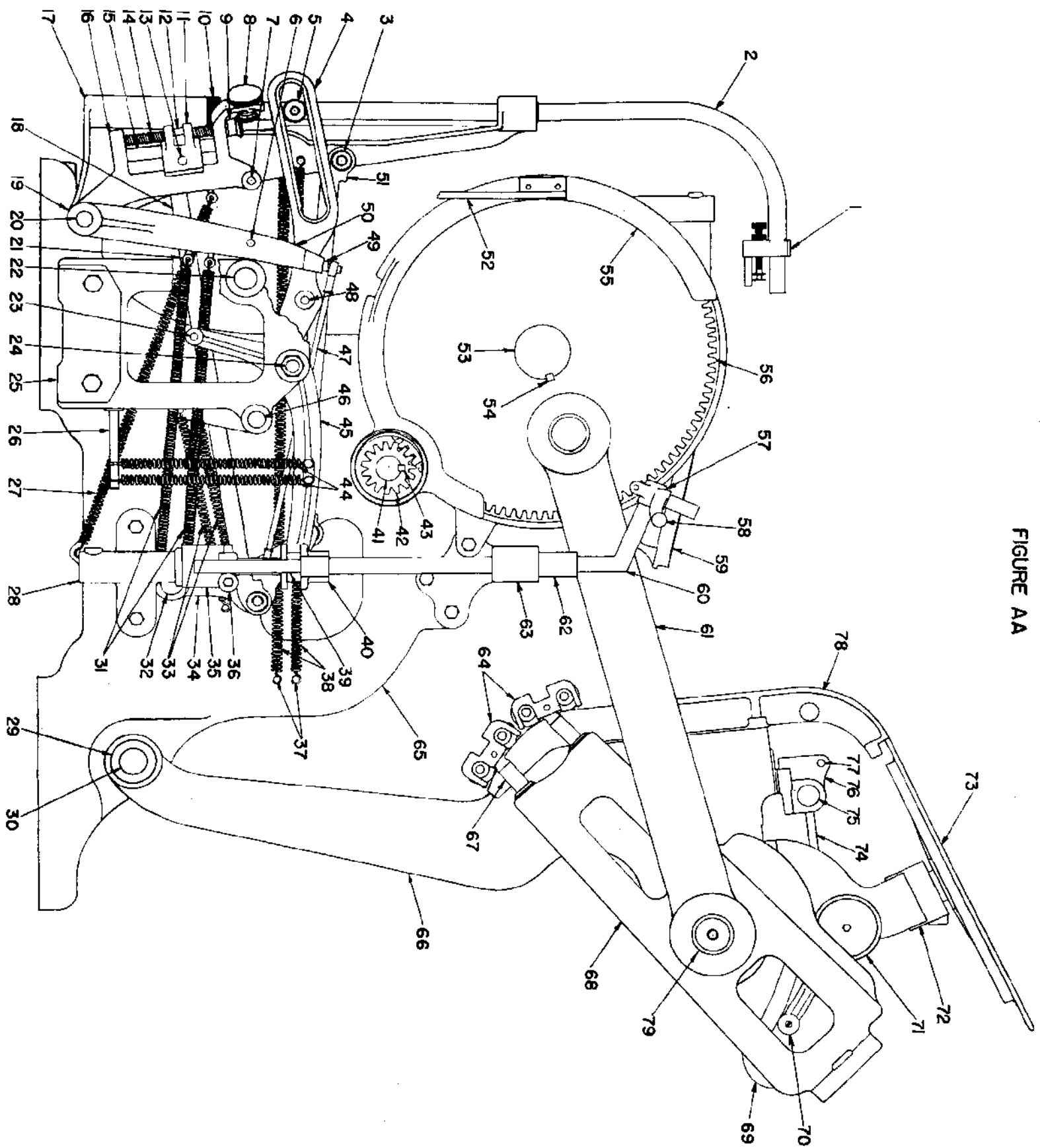


FIGURE AA

KEY NO.	PART NO.	NAME AND DESCRIPTION	KEY NO.	PART NO.	NAME AND DESCRIPTION
AA-1	SDF-86	*Feed Bar Adjusting Screw Bracket		SDF-46ES	Feed Slide Tube Packing Nut
	SDF-86LN	Feed Bar Adjusting Screw Locknut			Clamp Spring Screw
	SDF-86N	Feed Bar Adjusting Screw Nut		SDF-46G	Feed Slide Tube Packing Gland
	SDF-86NP	Feed Bar Adjusting Screw Nut Pin		SDF-46P	Feed Slide Tube Packing
	SDF-86P	Feed Bar Guide Pin	AA-11	SDF-89	Feed Stroke Adjusting Slide
	SDF-86S	Feed Bar Adjusting Screw	AA-12	SDF-92	Feed Stroke Adjusting Nut
	SDF-86SS	Feed Bar Adjusting Screw Bracket Set Screw	AA-13	SDF-89P	Feed Stroke Adjusting Lever Slide Ball Bearing Stud
AA-2	SDF-70	Feed Slide Tube		SDF-89BB	Feed Stroke Adjusting Slide Ball Bearing
	SDF-70B	Feed Slide Tube Top Bushing	AA-14	SDF-90	Feed Stroke Adjusting Screw
	SDF-70W	Feed Slide Tube Bushing Felt Plate		SDF-90C	Feed Stroke Adjusting Screw Collar
	SDF-70WP	Feed Felt Plate Drive Screw	AA-15	SDF-91	Feed Stroke Adjusting Shaft
AA-3	SDF-75BB	Feed Slide Lever Ball Bearing		SDF-91P	Feed Stroke Adjusting Shaft Dowel
	SDF-75BS	Feed Slide Ball Bearing Stud	AA-16	SDF-88	*Feed Stroke Adjusting Lever
AA-4	SDF-80	*Feed Slide Raising Lever		SDF-88B	Feed Stroke Adjusting Lever Bushing
	SDF-80B	Feed Slide Raising Lever Bushing		SDF-88C	Feed Stroke Adjusting Lever Oil Cup
	SDF-80C	Feed Slide Raising Lever Collar		SDF-97	Feed Stroke Indicator Plate
	SDF-80CSS	Feed Slide Raising Lever Collar Set Screw		SDF-97P	Feed Stroke Indicator Plate Pin
	SDF-80ES	Feed Slide Raising Lever Spring Anchor Stud	AA-17	SDF-75	*Feed Slide Lever
	SDF-80OC	Feed Slide Raising Lever Oil Cup		SDF-75B	Feed Slide Lever Bushing
AA-5	SDF-76BB	Guide Bracket Ball Bearing		SDF-75C	Feed Slide Lever Bushing Spacer
	SDF-76	Feed Slide Tube Guide Bracket		SDF-75N	Feed Slide Lever Hose Nipple
	SDF-76S	Feed Slide Tube Guide Bracket Set Screw Shoe		SDF-75P	Feed Slide Lever Plug
	SDF-76SS	Feed Slide Tube Guide Bracket Set Screw		SDF-58-7	Feed Slide Lever Hose
	SDF-76W	Feed Slide Tube Guide Bracket Washer		SDF-58-8	Air Hose Clamp
	SDF-77	Feed Slide Tube Guide Rod	AA-18	SDF-82	Lower Feed Connecting Arm
	SDF-77LB	Feed Slide Tube Guide Rod Lower Bushing		SDF-82S	Lower Feed Connecting Arm Screw
	SDF-77P	Feed Slide Tube Guide Rod Pin	AA-19	SDF-74C	Feed Slide Lever Shaft Collar
	SDF-77SS	Feed Slide Tube Guide Rod Set Screw		SDF-74CSS	Feed Slide Lever Shaft Collar Set Screw
	SDF-77UB	Feed Slide Tube Guide Rod Upper Bushing	AA-20	SDF-74	Feed Slide Lever Shaft
	SDF-78	Feed Slide Guide Roller	AA-21	SDF-50ES	Delivery Pushout Lever Spring Hanger
	SDF-78P	Feed Slide Guide Roller Pin	AA-22	SDF-199B	Feeder Cam Shaft Bracket Bushing
	SDF-78PSS	Feed Slide Guide Roller Pin Set Screw	AA-23	SDF-60LP	Delivery Raising Lever Ball Bearing Pin
AA-6	SDF-50P	Delivery Pushout Lever Ball Bearing Pin		SDF-60BB	Delivery Raising Lever Cam Roller
	SDF-50BB	Delivery Pushout Lever Ball Bearing	AA-24	SDF-60S	Delivery Raising Lever Stud
AA-7	SDF-88P	Feed Stroke Adjusting Lever Ball Bearing Pin		SDF-60SN	Delivery Raising Lever Stud Nut
	SDF-88BB	Feed Stroke Adjusting Lever Ball Bearing		SDF-60SW	Delivery Raising Lever Stud Lock Washer
AA-8	SDF-93	Feed Stroke Adjusting Knob	AA-25	SDF-227	*Delivery Table Support Bracket
	SDF-93P	Feed Stroke Adjusting Knob Pin		SDF-227B	Delivery Table Support Bracket Bushing
AA-9	SDF-94	Feed Stroke Adjusting Lever Miter Gear		SDF-227P	Delivery Table Support Bracket Dowel
	SDF-94P	Feed Stroke Adjusting Lever Miter Gear Pin		SDF-227S	Delivery Table Support Bracket Screw
	SDF-96	Feed Stroke Adjusting Lever Miter Gear Shaft		SDF-227SS	Delivery Table Support Bracket Set Screw
AA-10	SDF-46N	Feed Slide Tube Packing Nut	AA-26	SDF-227ES	Delivery Pull Down Spring Stud
	SDF-45F	Feed Slide Tube Bearing Felt	AA-27	SDF-88E	Feed Stroke Adjusting Lever Spring
	SDF-46	Feed Slide Tube Gland Sleeve		SDF-88ES	Feed Stroke Adjusting Lever Spring Anchor
	SDF-46B	Feed Slide Tube Lower Bushing	AA-28	SDF-62	*Delivery Slide Support
	SDF-46E	Feed Slide Tube Packing Nut Clamp Spring		SDF-62B	Delivery Slide Support Bushing
				SDF-62N	Delivery Slide Tube Hose Nipple
				SDF-62P	Delivery Slide Support Pin
				SDF-62PP	Delivery Slide Support Pipe Plug
				SDF-62S	Delivery Slide Support Screw

Parts marked with an asterisk () indicate special fitting and will be shipped with their mating part or parts.

FIGURE AA

KEY NO.	PART NO.	NAME AND DESCRIPTION	KEY NO.	PART NO.	NAME AND DESCRIPTION
	SDF-58-3	Delivery Column Hose		SD-12W	Drive Shaft Washer
AA-29	SD-96C	Bed Shaft Collar		SD-26	Flywheel
	SD-96CSS	Bed Shaft Collar Set Screw		SD-26K	Flywheel Key
AA-30	SD-96	Bed Shaft		GSD-26	Flywheel Guard
	SD-96B	Bed Shaft Bushing		SD-26S	Flywheel Guard Screw
	SD-96K	Bed Shaft Key	AA-42	SD-13	Drive Shaft Pinion
	SD-96T	*Bed Shaft Oil Tube	AA-43	SD-13K	Drive Shaft Pinion Key
	SD-96TC	Bed Shaft Oil Tube Cup	AA-44	SDF-49	Delivery Pull Down Spring
	SD-96-TCL	Bed Shaft Oil Tube Clamp	AA-45	SDF-60	*Delivery Raising Lever
	SD-96TCP	Bed Shaft Oil Tube Clamp Rivet		SDF-60B	Delivery Raising Lever Bushing
	SD-106	Bed Shaft Eccentric Bushing		SDF-60C	Delivery Raising Lever Oil Cup
	SD-106SS	Bed Shaft Eccentric Bushing Set Screw		SDF-60ES	Delivery Raising Lever Spring Anchor
AA-31	SDF-50E	Delivery Pushout Lever Spring		SDF-60P	Delivery Raising Lever Bearing Pin
AA-32	SDF-83S	Feed Pushout Lever Stud		SDF-60RU	Delivery Raising Lever Ball Bearing
	SDF-95	Collar and Spring Anchor	AA-46	SDF-80S	Feed Slide Raising Lever Stud
	SDF-95SS	Collar and Spring Anchor Set Screw		SDF-80SN	Feed Slide Raising Lever Stud Nut
AA-33	SDF-64	Feed Lift Lever Spring		SDF-80SS	Feed Slide Raising Lever Stud Set Screw
	SDF-64ES	Feed Lift Lever Spring Stud		SDF-80SW	Feed Slide Raising Lever Stud Lock Washer
AA-34	SDF-83	*Feed Pushout Lever	AA-47	SDF-61	Delivery Column Connecting Rod
	SDF-83B	Feed Pushout Lever Bushing	AA-48	SDF-80P	Feed Slide Raising Lever Ball Bearing Pin
	SDF-83BB	Feed Pushout Lever Ball Bearing		SDF-80BB	Feed Slide Raising Lever Ball Bearing
	SDF-83BS	Feed Pushout Lever Ball Bearing Pin	AA-49	SDF-65	Delivery Column Connecting Rod End Spacer
	SDF-83T	*Feed Slide Lever Oil Tube	AA-50	SDF-50	*Delivery Pushout Lever
	SDF-83TC	Feed Slide Lever Oil Tube Clamp		SDF-50B	Delivery Pushout Lever Bushing
	SDF-83TCS	Feed Slide Lever Oil Tube Clamp Screw		SDF-50OC	Delivery Pushout Lever Oil Cup
AA-35	SDF-63	*Delivery Column Swivel Arm		SDF-50S	Delivery Pushout Lever Screw
	SDF-63B	Delivery Column Swivel Arm Bushing		SDF-50SS	Delivery Pushout Lever Set Screw
	SDF-63S	Delivery Column Swivel Arm Screw	AA-51	SDF-81	Upper Feed Connecting Arm
	SDF-63SS	Delivery Column Swivel Arm Set Screw		SDF-81S	Upper Feed Connecting Arm Screw
AA-36	SDF-63BB	Delivery Slide Guide Roller	AA-52	GSD-4	Gear and Pinion Guard Bracket
	SDF-63P	Delivery Slide Guide Roller Pin		GSD-4S	Gear and Pinion Guard Bracket Screw
	SDF-63PSS	Delivery Slide Guide Roller Pin Set Screw	AA-53	SD-68	Mainshaft
AA-37	SDF-75ES	Feed Slide Lever Sprig Stud		SD-68B	Mainshaft Bushing
• AA-38	SDF-75E	Feed Slide Lever Spring		SD-68BP	Mainshaft Bushing Dowel
AA-39	SDF-54	Delivery Column Guide Rod	AA-54	SD-68K	Mainshaft Key
	SDF-54P	Delivery Column Guide Rod Pin	AA-55	GSD-1	Gear and Pinion Guard
	SDF-55	Delivery Column Swivel Arm Retaining Collar		GSD-1S	Gear and Pinion Guard Screw
	SDF-55SS	Delivery Column Swivel Arm Retaining Collar Set Screw		SD-19T	Hand Feed Table Thumb Screw
	SDF-56	Delivery Column Connecting Rod End		SD-20	*Hand Feed Table Bracket
AA-40	SDF-53	Delivery Column Guide Rod Bracket		SD-20½	Hand Feed Table Bracket Pin
	SDF-53S	Delivery Column Guide Rod Bracket Set Screw		SD-20S	Hand Feed Table Bracket Screw
	SDF-53SS	Delivery Column Guide Rod Bracket Set Screw		SD-20P	Hand Feed Table Bracket Dowel
AA-41	SD-12	Drive Shaft	AA-56	SD-14	*Large Head Cam Gear
	SD-12B	Drive Shaft Bushing		SD-33	Large Gear Cam Roller
	SD-12BS	Drive Shaft Bushing Set Screw		SD-33S	Large Gear Cam Roller Stud
	SD-12C	Drive Shaft Collar		SD-33N	Large Gear Cam Roller Stud Nut
	SD-12CSS	Drive Shaft Collar Set Screw		SD-33T	*Cam Roller Oil Tube
	SD-12KC	Pinion Key Collar		SD-33TC	Cam Roller Oil Tube Cup
	SD-12KCS	Pinion Key Collar Set Screw		SD-33TCL	Cam Roller Oil Tube Clamp
	SD-12T	*Drive Shaft Bearing Oil Tube		SD-33TP	Cam Roller Oil Tube Clamp Pin
	SD-12TC	Drive Shaft Oil Tube Cup		SD-62	Rocker Arm
	SD-12TCL	Drive Shaft Oil Tube Clamp		SD-62P	Rocker Arm Pin
	SD-12TP	Drive Shaft Oil Tube Clamp Pin	AA-57	SDF-44	Delivery Bar Swivel Support
				SDF-44SS	Delivery Bar Swivel Support Set Screw
			AA-58	SDF-42S	Delivery Bar Adjusting Screw

Parts marked with an asterisk () indicate special fitting and will be shipped with their mating part or parts.

FIGURE AA

KEY NO.	PART NO.	NAME AND DESCRIPTION	KEY NO.	PART NO.	NAME AND DESCRIPTION
	SDF-42C	Delivery Bar Adjusting Screw Collar		SD-8C	Gear Guard Oil Cup
	SDF-42CSS	Delivery Bar Adjusting Screw Collar Set Screw		SD-8P	Disc Bracket Dowel
	SDF-42LN	Delivery Bar Adjusting Screw Lock Nut		SD-8S	Ink Disc Bracket Screw
AA-59	SD-4	Platen		SD-8SW	Ink Disc Bracket Screw Washer
	SD-99½	Craftsman Name Plate	AA-73	SD-7½	Ink Disc
AA-60	SDF-40	Delivery Column Air Tube		SD-7½S	Ink Disc Stud Screw
AA-61	SD-47	*Side Arm		SD-7½W	Ink Disc Stud Washer
	SD-47B	Side Arm Bushing	AA-74	SD-119	Bed Adjusting Screw-Top
	SD-47C	Side Arm Bushing Oil Cup		SD-119N	Bed Adjusting Screw Jam Nut
AA-62	SDF-67B	Delivery Slide Support Bracket Bushing		SD-119W	Bed Adjusting Screw Washer
	SDF-67	*Delivery Slide Support Bracket Upper		SD-113LW	Adjusting Screw Lock Handwheel
	SDF-67P	Delivery Slide Support Bracket Pin		SD-113LLW	Adjusting Screw Lock Handwheel Washer
	SDF-67S	Delivery Slide Support Bracket Screw		SD-113W	Adjusting Screw Locking Handwheel Spacer
	SDF-67½S	Delivery Slide Support Bracket Screw	AA-75	SD-111	Adjusting Screw Swivel Pin
	SD-83	Hand Feed Table Board	AA-76	SD-110	Bed Swivel Bracket
AA-64	SD-39	*Double Saddle		SD-110P	Bed Swivel Bracket Dowel Pin
	SD-39B	Saddle Swivel Pin Bushing		SD-110S	Bed Swivel Bracket Screw
	SD-39BB	Saddle Ball Bearing		SD-125	Right Hand Adjusting Eccentric Bushing
	SD-39E	Upper Saddle Spring		SD-125SS	Bed Adjusting Eccentric Bushing Set Screw
	SD-39EC	Saddle Spring Cotter		SD-125SSN	Bed Adjusting Eccentric Set Screw
	SD-39L	*Saddle Lifter		SD-125½	Left Hand Adjusting Eccentric Bushing
	SD-39LH	Saddle Lifter Handle		SD-126	Upper Adjusting Screw Bracket
	SD-39LP	Saddle Lifter Pin		SD-126P	Upper Bed Adjusting Swivel Pin
	SD-40E	Lower Saddle Spring		SD-126SS	Bed Adjusting Bracket Set Screw
	SD-40R	Saddle Stud Rod		SD-126½	Eccentric Adjusting Rack
	SD-63P	Saddle Retaining Pin		SD-126½S	Eccentric Adjusting Rack Screw
	GSD-63	Form Roller Guard		SD-126½SS	Eccentric Adjusting Rack Set Screw
AA-65	SD-0	*Press Frame		SD-126½SSN	Eccentric Adjusting Set Screw Nut
AA-66	SD-3	Bed		SD-130	Upper Bed Adjusting Screw Pointer
AA-67	SD-45	*Saddle Stud		SD-130S	Upper Bed Adjusting Scale Pointer Screw
	SD-45F	Saddle Stud Oil Felt		SD-130SW	Scale Pointer Lock Washer
	SD-45K	Saddle Stud Key		SD-131	Upper Bed Adjusting Scale
	SD-45P	Saddle Stud Oil Felt Plate Pin	AA-77	SD-30LS	Chase Hook Lever Stud
	SD-45W	Saddle Stud Oil Felt Plate		SD-30SW	Chase Hook Lever Stud Washer
AA-68	SD-22	Right Hand Roller Frame	AA-78	SD-4T	Right Hand Adjusting Bed Track
AA-69	SD-22½	Disc Lever Cam		SD-4TS	Bed Track Adjusting Screw Lower
	SD-22½S	Short - Disc Lever Cam Screw	AA-79	SD-69	Backshaft
	SD-22½SS	Long - Disc Lever Cam Screw		SD-71	Backshaft Collar
AA-70	SD-36	Disc Lever Cam Roller		SD-71SS	Backshaft Collar Set Screw
	SD-36S	Disc Lever Roller Screw		SD-71SSN	Backshaft Collar Set Screw Nut
	SD-36SC	Disc Lever Roller Screw Cotter			
AA-71	SD-37	Adjusting Disc Lever			
AA-72	SD-8	Ink Disc Bracket			

Parts marked with an asterisk () indicate special fitting and will be shipped with their mating part or parts.

FIGURE AB

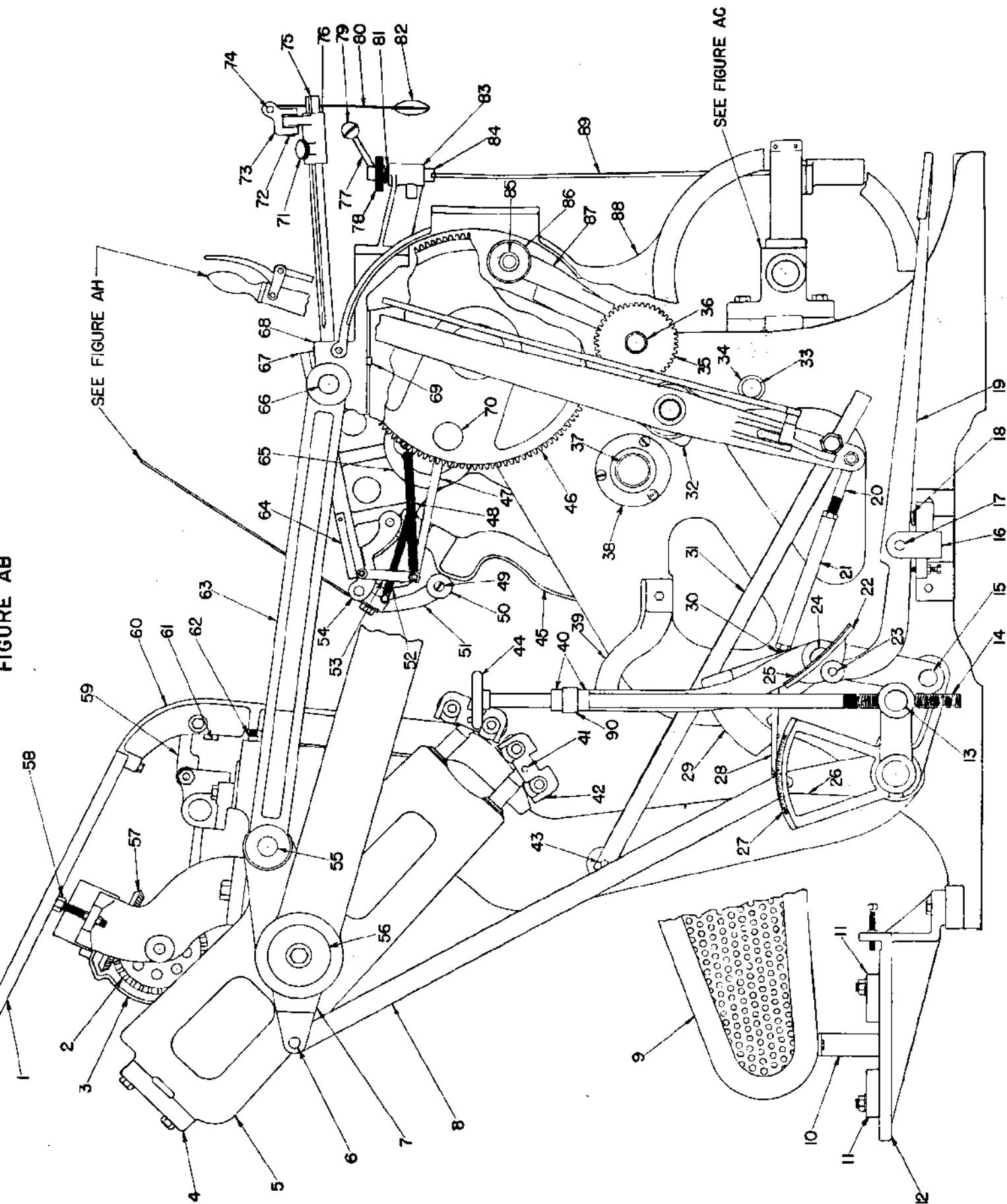


FIGURE AB

KEY NO.	PART NO.	NAME AND DESCRIPTION	KEY NO.	PART NO.	NAME AND DESCRIPTION
AB-1	TSD-3	Left Hand Extension Track		BLSD-4	Brake Shoe Rivet
	TSD-3S	Extension Track Screw	AB-24	SD-94	Throwoff Outer Arm Stud
	TSD-3SW	Extension Track Screw Lock Washer		SD-94S	Throwoff Outer Arm Stud Screw
	TSD-5	Extension Track Pin		SD-94SN	Throwoff Outer Arm Stud Nut
	TSD-4	Right Hand Extension Track		SD-94SW	Throwoff Outer Arm Stud Screw Washer
AB-2	SD-10	Ink Disc Drive Gear		SD-94W	Throwoff Outer Arm Stud Lock Washer
	SD-10K	Ink Disc Drive Gear Key	AB-25	BLSD-5	Brake Shoe Facing
	SD-10SS	Ink Disc Drive Gear Set Screw	AB-26	SD-73	Throwoff Slotted Piece
AB-3	GSD-8	Bevel Gear Guard	AB-27	SD-100	Bed Shaft Adjusting Lever
	GSD-8S	Bevel Gear Guard Screw		SD-100S	Bed Shaft Adjusting Lever Inner Set Screw
	GSD-8W	Gear Guard Screw Lock Washer		SD-100SS	Bed Shaft Adjusting Lever Outer Set Screw
AB-4	SD-23	Roller Frame Nameplate			
	SD-23P	Name Plate Dowel	AB-28	SD-109	Lower Adjusting Scale Pointer
	SD-23S	Roller Frame Nameplate Screw		SD-109S	Adjusting Scale Pointer Screw
	SD-23SW	Roller Frame Nameplate Screw Washer		SD-109SN	Adjusting Scale Pointer Screw Nut
AB-5	SD-21	*Left Hand Roller Frame	AB-29	SD-76	Throwoff Outer Arm
AB-6	SD-72P	Throwoff Back Connection Pin		SD-76S	Throwoff Lower Connection Stud
	SD-72PC	Throwoff Back Connection Pin Cotter		SD-76SN	Throwoff Lower Connection Stud Nut
				SD-76SS	Throwoff Lower Connection Stud Set Screw
AB-7	SD-70	Throwoff Saddle	AB-30	SD-72½-3	Lower Throwoff Connection Rod End
	SD-70K	Throwoff Saddle Key		SD-72½-3N	Lower Throwoff Connection Rod End Nut
	SD-70SS	Long - Throwoff Saddle Set Screw	AB-31	SDF-291	Throwoff Sliding Bar
	SD-70SSS	Short - Throwoff Saddle Set Screw	AB-32	SD-79	Throwoff Lever Bracket
AB-8	SD-72	Throwoff Back Connection		SD-79S	Throwoff Bracket Screw
AB-9	BGSD-10	Belt Guard		SD-79SW	Throwoff Bracket Screw Lock Washer
	BGSD-5	Belt Guard Support Stud	AB-33	SD-98	Rocker Lock Shaft
	BGSD-5N	Belt Guard Support Stud Nut		SD-98T	*Rocker Lock Oil Tube
	BGSD-5W	Belt Guard Support Stud Washer		SD-98TC	Rocker Lock Oil Tube Cup
AB-10	BGSD-4	Belt Guard Bracket		SD-98TCL	Rocker Lock Oil Tube Clamp
	BGSD-4S	Belt Guard Bracket Screw		SD-98TP	Rocker Lock Oil Tube Clamp Pin
	BGSD-4SN	Belt Guard Bracket Screw Nut		SD-98½T	*Rocker Lock Oil Tube, Left Hand
AB-11	ESD-3	Motor Bracket Rail		SD-98½TC	Rocker Lock Oil Tube Cup
	ESD-3S	Motor Bracket Rail Screw		SD-98½TCL	Rocker Lock Oil Tube Clamp
	ESD-3SN	Motor Bracket Rail Screw Nut		SD-98½TP	Rocker Lock Oil Tube Clamp Pin
	ESD-3W	Motor Bracket Rail Screw Washer	AB-34	SD-98B	Rocker Lock Shaft Bushing
AB-12	ESD-1	Motor Bracket		SD-98BS	Rocker Lock Shaft Bushing Set Screw
	ESD-1S	Motor Bracket Screw	AB-35	SDF-202	*Feeder Intermediate Gear
AB-13	SD-101	Bed Shaft Adjusting Screw Swivel Pin	AB-36	SDF-202B	Feeder Intermediate Gear Bushing
				SDF-203	Feeder Intermediate Gear Stud
AB-14	SD-104	Bed Adjusting Screw		SDF-203OC	Intermediate Gear Stud Oil Cup
AB-15	SD-76P	Throwoff Outer Arm Pin		SDF-203S	Feeder Intermediate Gear Stud Screw
	SD-76PC	Throwoff Outer Arm Pin Cotter		SDF-203SN	Feeder Intermediate Gear Stud Lock Nut
AB-16	BLSD-2	Brake Lever Bracket		SDF-203SS	Feeder Intermediate Gear Stud Set Screw
	BLSD-2S	Brake Lever Bracket Screw		SDF-203W	Feeder Intermediate Gear Stud Washer
	BLSD-2SW	Brake Lever Bracket Screw Lock Washer	AB-37	SD-43B	Drive Shaft Box Bushing
AB-17	BLSD-1P	Brake Lever Pin	AB-38	SD-43	*Drive Shaft Box
	BLSD-1PC	Brake Lever Pin Cotter		SD-43S	Drive Shaft Box Screw
AB-18	BLSD-1E	Brake Lever Spring		SD-43SW	Drive Shaft Box Screw Lock Washer
AB-19	BLSD-1	Brake Lever	AB-39	SD-108	Lower Bed Adjusting Screw Bracket
	BLSD-1SS	Brake Lever Set Screw		SD-108S	Adjusting Screw Bracket Screw
	BLSD-1SSN	Brake Lever Set Screw Nut		SD-108SS	Adjusting Screw Bracket Set Screw
AB-20	SD-72½-2	Lower Throwoff Connection Rod End	AB-40	SD-104C	Bed Adjusting Screw Collar
	SD-72½-2N	Lower Throwoff Connection Rod End Nut		SD-104CP	Bed Adjusting Screw Collar Pin
	SD-72½S	Throwoff Lower Connection Screw			
	SD-72½SN	Throwoff Lever Connection Screw Jam Nut			
AB-21	SD-72½-1	Lower Throwoff Connection Tube			
AB-22	BLSD-3	Brake Shoe			
AB-23	BLSD-3P	Brake Shoe Pin			
	BLSD-3SS	Brake Shoe Set Screw			

Parts marked with an asterisk () indicate special fitting and will be shipped with their mating part or parts.

FIGURE AB

KEY NO.	PART NO.	NAME AND DESCRIPTION	KEY NO.	PART NO.	NAME AND DESCRIPTION
	SD-104CSS	Bed Adjusting Screw Collar Set Screw		SD-115	Ink Disc Gear Screw
AB-41	SD-39½P	Saddle Swivel Pin, Left Hand		SD-115W	Ink Disc Gear Lock Washer
	SD-39P	Saddle Swivel Pin, Right Hand		SD-11W	Ink Disc Gear Washer
AB-42	SD-27	Roller Truck	AB-58	TSD-6	Extension Track Adjusting Screw
	SD-63	*Roller Stock		TSD-6N	Extension Track Adjusting Screw Nut
	SD-63BB	Roller Stock Steel Ball		TSD-6W	Extension Track Adjusting Screw Washer
	SD-63E	Roller Stock Steel Ball Spring	AB-59	SD-30L	Chase Hook Lever
AB-43	SDF-291P	Throwoff Shear Pin		SD-28L	Chase Lug
	SDF-291PN	Shear Pin Nut		SD-28LP	Chase Lug Pin
	SDF-285	Throwoff Shear Pin Bushing		SD-28LN	Chase Lug Nut
	SDF-285SN	Throwoff Shear Pin Bushing Set Screw Nut		SD-28½	Chase
	SDF-285SS	Throwoff Shear Pin Bushing Set Screw	AB-60	SD-3T	*Adjustable Bed Track, Left Hand
AB-44	SD-105	Bed Adjusting Screw Handwheel		SD-3TR	Bed Track Chase Stop
	SD-105P	Bed Adjusting Screw Handwheel Pin	AB-61	SD-30	Chase Hook
AB-45	SD-67	*Gripper Cam		SD-30E	Chase Hook Spring
	SD-67H	Gripper Cam Spring Hanger		SD-30H	Chase Hook Spring Hanger
	SD-67P	Gripper Cam Pin		SD-30N	Chase Hook Screw Nut
	SD-67PSS	Gripper Cam Pin Set Screw		SD-30S	Chase Hook Screw
AB-46	SD-16	Small Head Lock Cam	AB-62	SD-3TS	Bed Track Adjusting Screw, Upper
AB-47	SDF-419	Register Operating Cam Connection		SD-3TCS	Bed Track Screw
	SDF-419CP	Register Operating Cam Connection Cotter	AB-63	SD-17	Roller Arm
AB-48	SDF-418	Register Operating Connecting Link Spring	AB-64	SD-17N	Roller Arm Stud Nut
AB-49	SD-325	Gripper Bar Roller Stud	AB-65	SD-64½	Lower Bale
	SD-325N	Gripper Bar Roller Stud Nut		SD-42	Rocker Box Cap
AB-50	SD-32	Gripper Bar Roller		SD-42S	Rocker Box Cap Screw
AB-51	SD-31	*Gripper Bar	AB-66	SD-17S	Roller Arm Stud
	SD-31HW	Gripper Spring Hanger Pin Washer		SD-17SW	Roller Arm Stud Washer
	SD-31P	Gripper Limit Pin	AB-67	SD-64	Upper Bale
	SD-18	Gripper Cam Roller		SD-64R	Platen Bale Rivet
	SD-18S	Gripper Cam Roller Stud		SD-64L	Tympan Bale Lifter
	SD-18SN	Gripper Cam Roller Screw Nut	AB-68	SD-1	Roller Arm Bracket
	SD-61	Gripper Wrench		SD-1S	Roller Arm Bracket Screw
AB-52	SD-31E	Gripper Bar Spring		SD-1SW	Roller Arm Bracket Screw Lock Washer
	SD-31H	Gripper Bar Spring Hanger	AB-69	SD-1K	Roller Arm Bracket Key
	SD-31HC	Gripper Bar Spring Hanger Cotter Pin	AB-70	SD-47S	Side Arm Wrist Pin
	SD-31W	Gripper Spring Pin Washer	AB-71	SDF-20S	Feed Table Back Stop Adjusting Screw
AB-53	SDF-422	*Register Operating Arm	AB-72	SDF-20P	Feed Table Back Stop Bracket Pin
	SDF-422SS	Register Operating Arm Set Screw	AB-73	SDF-21	Feed Table Back Stop Swivel Bracket
	SDF-421	Register Operating Arm Pin	AB-74	SDF-22	Feed Table Back Stop Rod
	SDF-410	*Register Pivot Cam		SDF-23	Feed Table Long Back Stop
	SDF-410N	Register Adjusting Nut		SDF-23E	Feed Table Long Back Stop Spring
	SDF-411	Register Operating Spool Screw		SDF-23ES	Feed Table Long Back Stop Spring Screw
	SDF-415	*Register Operating Cam		SDF-23EW	Feed Table Long Back Stop Spring Washer
	SDF-415P	Register Operating Link Pin		SDF-23S	Feed Table Long Back Stop Screw
	SDF-416	Register Operating Cam Lever Screw	AB-75	SDF-18	Feed Table Back Stop Guide Bar
	SDF-416N	Register Adjusting Nut Lock Nut	AB-76	SDF-20	Feed Table Back Stop Bracket
AB-54	SD-65	Platen Ear, Left Hand	AB-77	SDF-148	Feed Control Handle Shaft
	SD-65P	Platen Ear Dowel Pin		SDF-148SS	Feed Control Handle Set Screw
	SD-65S	Platen Ear Screw	AB-78	SDF-143	*Blast Adjusting Knob
	SD-66	Platen Ear, Right Hand		SDF-141	Blast Indicator Plate
AB-55	SD-21S	Roller Frame Arm Stud		SDF-141P	Blast Indicator Plate Pin
	SD-21W	Roller Frame Stud Washer	AB-79	SDF-147	Feed Control Handle Knob
	SD-21WS	Roller Frame Washer Screw	AB-80	SDF-24	*Feed Table Back Stop Tape
AB-56	SD-55	Side Arm Washer		SDF-24S	Feed Table Back Stop Attaching Screw
	SD-55S	Side Arm Washer Screw	AB-81	SDF-143E	Blast Adjusting Knob Spring
AB-57	SD-11	Ink Disc Gear	AB-82	SDF-24½	Feed Table Back Stop Inner Tape Weight
	SD-11K	Disc Gear Key			

Parts marked with an asterisk () indicate special fitting and will be shipped with their mating part or parts.

FIGURE AB

KEY NO.	PART NO.	NAME AND DESCRIPTION	KEY NO.	PART NO.	NAME AND DESCRIPTION
	SDF-24½S	Feed Table Back Stop Weight Screw		SD-6EC	Rocker Lock Spring Rod Cotter
	SDF-24½W	Feed Table Back Stop Outer Tape Weight		SD-6EW	Rocker Lock Spring Rod Washer
	SDF-25	Feed Table Back Stop Bracket — Two Up	AB-87	SD-6R	Rocker Lock Spring Rod
	SDF-26	Feed Table Back Stop Rod — Two Up		SD-6	Rocker Lock
	SDF-26SS	Feed Table Back Stop Rod Set Screw — Two Up		SD-6E	Rocker Lock Spring
AB-83	SDF-136	Feeder Control Bracket		SD-6SS	Rocker Lock Set Screw
	SDF-136S	Feeder Control Bracket Screw		SD-6SSN	Rocker Lock Set Screw Nut
AB-84	SDF-144	Feed Control Handle Shaft	AB-88	SDF-5	Feeder Gear Guard
	SDF-144BB	Feed Control Handle Shaft Steel Ball		SDF-5S	Feeder Gear Guard Screw
	SDF-144E	Feed Control Handle Shaft Spring	AB-89	SDF-142	*Blast Control Shaft
	SDF-144SS	Feed Control Handle Shaft Set Screw		SDF-142P	Blast Control Shaft Pin
AB-85	SD-15S	Roller Lock Roller Stud	AB-90	SD-116	Lower Bed Adjusting Screw Swivel
	SD-15SN	Rocker Lock Roller Stud Nut		SD-116N	Swivel Screw Jam Nut
AB-86	SD-15	*Rocker Lock Cam Roller		SD-116S	Lower Bed Adjusting Screw Lock Screw
	SD-15C	Rocker Lock Roller Oil Cup		SD-116W	Lower Bed Adjusting Swivel Screw Washer

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FIGURE AC

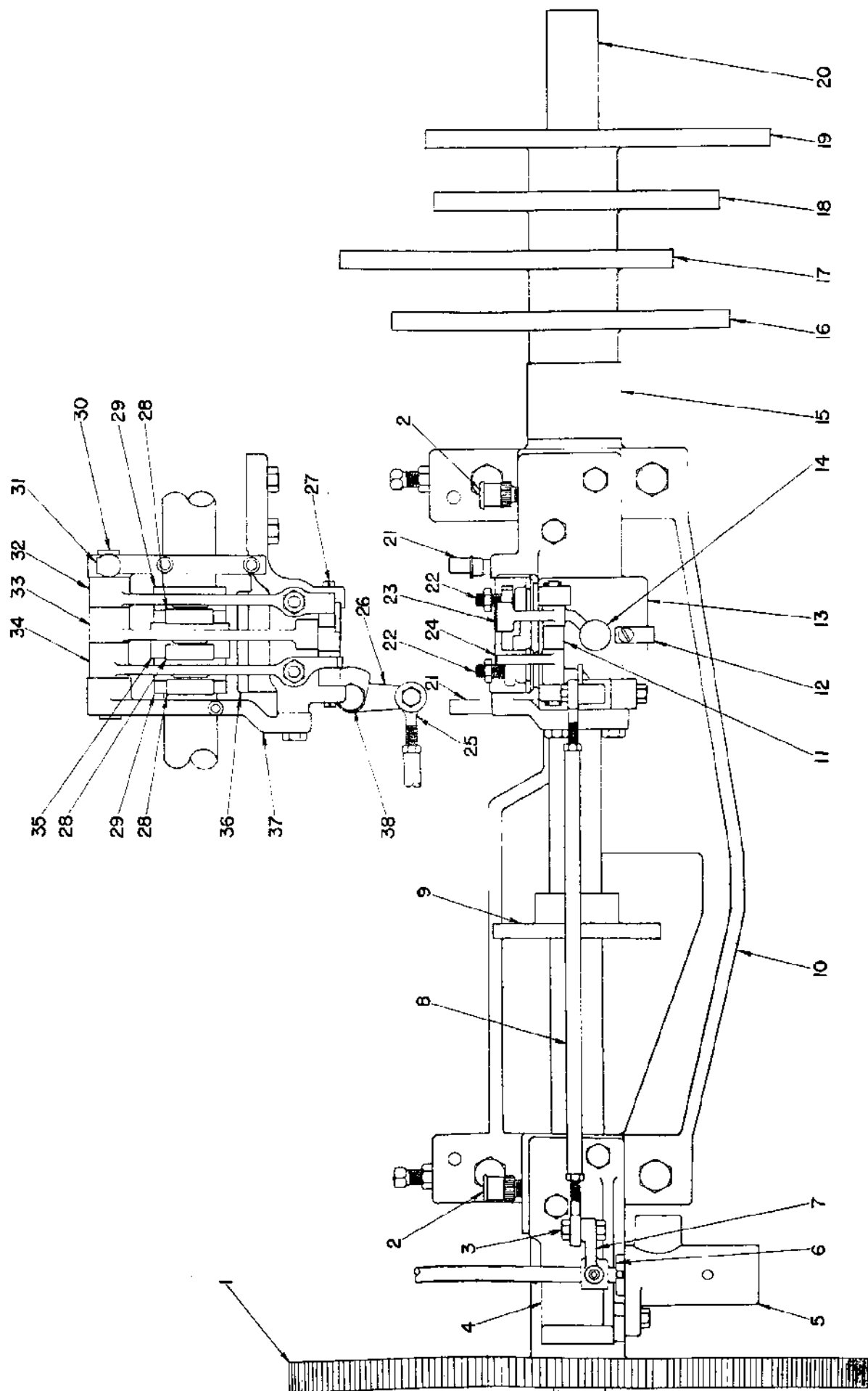


FIGURE AC

KEY NO.	PART NO.	NAME AND DESCRIPTION	KEY NO.	PART NO.	NAME AND DESCRIPTION
AC-1	SDF-200	Feeder Drive Gear		SDF-114E	Delivery Cut Out Valve Plunger Spring
	SDF-200K	Feeder Drive Gear Key			
	SDF-200SS	Feeder Drive Gear Set Screw	AC-15	SDF-201	Cam Shaft Spacer
AC-2	SDF-1-OC	Feeder Cam Shaft Bracket Oil Cup	AC-16	SDF-195	Feeder Raising Cam
AC-3	SDF-133S	Feed Connecting Rod End Screw	AC-17	SDF-196	Feeder Bar Pushout Cam
	SDF-133SN	Feed Connecting Rod End Screw Nut	AC-18	SDF-198	Delivery Pushout Cam
AC-4	SDF-6	Feeder Gear Guard Brace	AC-19	SDF-197	Delivery Raising Cam
	SDF-6S	Feeder Gear Guard Brace Screw	AC-20	SDF-199	Feeder Cam Shaft
AC-5	SDF-135	Blast Valve Bracket		SDF-199K	Feeder Cam Shaft Key
	SDF-135P	Blast Valve Bracket Pin	AC-21	SDF-120GS	Feeder Air Valve Guard Stud
	SDF-135S	Blast Valve Bracket Screw	AC-22	SDF-113	Feeder Air Valve
	SDF-135-1	Blast Valve Hose Nipple		SDF-113N	Feeder Air Valve Nut
	SDF-135-3	Blast Valve Elbow		SDF-113W	Feeder Air Valve Washer
AC-6	SDF-139	Blast Valve	AC-23	SDF-129	Delivery Cut Out Trip Lever
	SDF-139E	Blast Valve Spring	AC-24	SDF-128	Feed Valve Trip Lever
AC-7	SDF-145	Feed Valve Control Lever		SDF-128E	Feed Valve Trip Lever Spring
	SDF-145SS	Feed Valve Control Lever Set Screw	AC-25	SDF-133	Feed Connecting Rod End
AC-8	SDF-146	Feed Valve Connecting Rod	AC-26	SDF-132	Feeder Air Valve Operating Arm
	SDF-146N	Feed Valve Connecting Rod Lock Nut	AC-27	SDF-111	Feeder Valve Trip Lever Shaft
AC-9	SDF-150	Feed Table Feeler Raising Cam	AC-28	SDF-103	Feeder Valve Lever Cam Roller
	SDF-150SS	Feed Table Feeler Raising Cam Set Screw	AC-29	SDF-125	Feed and Delivery Valve Lever Cam
AC-10	SDF-1	*Feeder Cam Shaft Bracket		SDF-125SS	Feed and Delivery Valve Lever Cam Set Screw
	SDF-1DP	Cam Bracket Dowel Pin	AC-30	SDF-104	Feeder Valve Cam Lever Shaft
	SDF-1S	Cam Bracket Cap Screw		SDF-104P	Feeder Valve Cam Lever Shaft Plug
	SDF-1SS	Cam Bracket Lock Screw		SDF-104SS	Feeder Valve Cam Lever Shaft Set Screw
	SDF-1SSN	Cam Bracket Lock Screw Nut	AC-31	SDF-101C	Feeder Valve Cam Lever Oil Cup
AC-11	SDF-112	Feeder Valve Trip Spacer	AC-32	SDF-101	Feeder Valve Cam Lever
AC-12	SDF-115	Delivery Cut Out Valve Plunger Stop Plate	AC-33	SDF-110	Delivery Cut Out Valve Lever
	SDF-115S	Delivery Cut Out Valve Plunger Stop Plate Screw	AC-34	SDF-124	Feed Air Valve Cam Lever
	SDF-115SW	Delivery Cut Out Valve Plunger Stop Plate Screw Washer		SDF-124CP	Feed Air Valve Cam Lever Cotter
AC-13	SDF-120	Feeder Air Valve Bracket	AC-35	SDF-109	Delivery Cut Out Cam
	SDF-120G	Feeder Air Valve Guard		SDF-109SS	Delivery Cut Out Cam Set Screw
	SDF-120P	Feeder Air Valve Dowel Pin	AC-36	SDF-121	Feeder Air Valve Bracket Cover Plate
	SDF-120S	Feeder Air Valve Bracket Screw		SDF-121G	Feeder Air Valve Bracket Cover Plate Gasket
	SDF-120-1	Feeder Air Valve Hose Nipple		SDF-121S	Feeder Air Valve Bracket Cover Plate Screw
	SDF-120-2	Feeder Air Valve Elbow	AC-37	SDF-123	Feeder Air Valve Cam Lever Support
	SDF-120-4	Feeder Air Valve Tee		SDF-123S	Feeder Air Valve Cam Lever Support Screw
	SDF-120-5	Feeder Air Valve Y Branch	AC-38	SDF-132S	Feeder Air Valve Operating Arm Stud
	SDF-120-6	Feeder Air Valve Close Nipple		SDF-132½S	Feeder Valve Operating Arm Stud Screw
	SDF-120-7	Feeder Air Valve Nipple			
	SDF-120½GS	Feeder Air Valve Bracket Guard Screw			
AC-14	SDF-114	Delivery Cut Out Valve Plunger			

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FIGURE AD

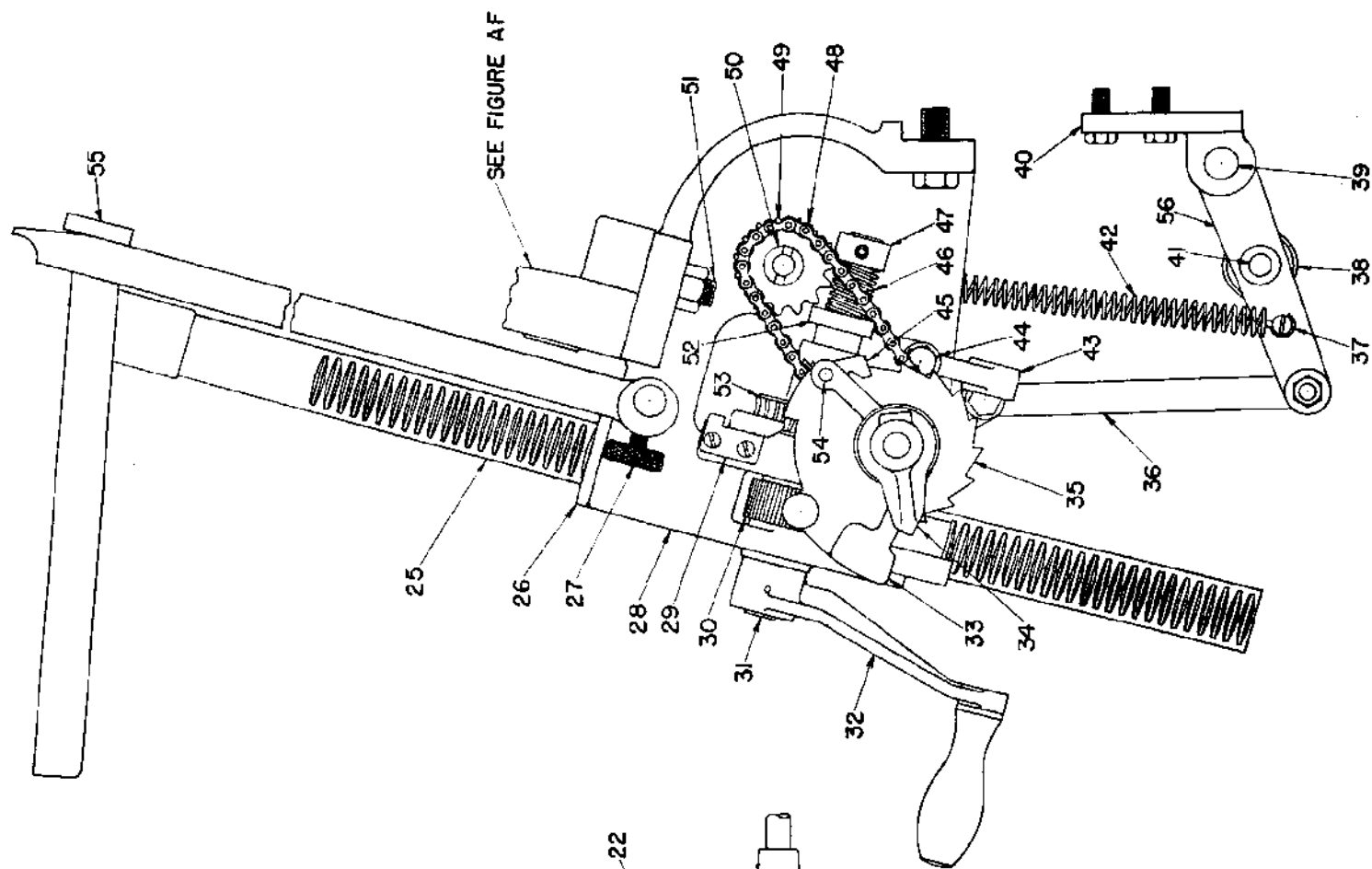
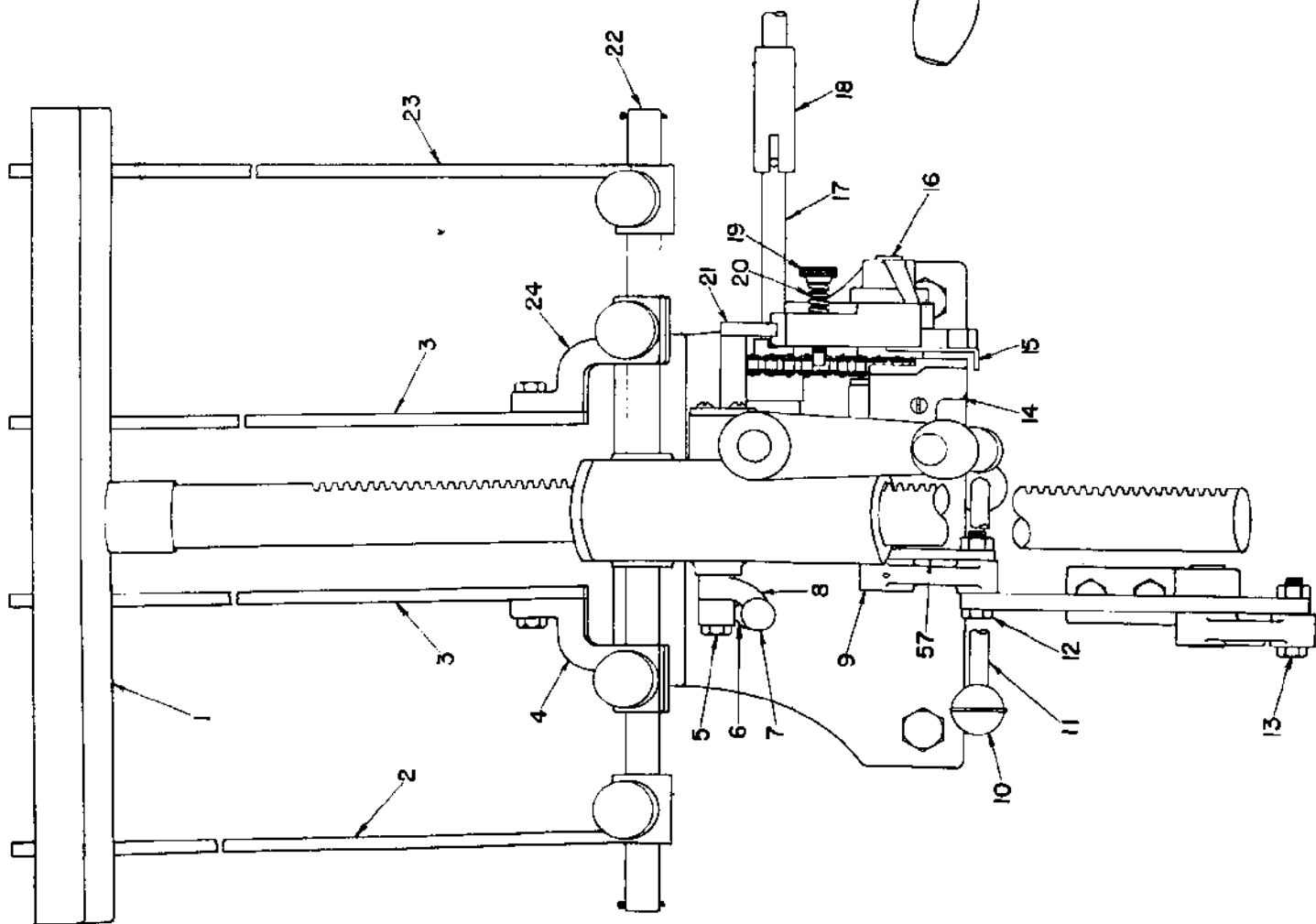


FIGURE AD

KEY NO.	PART NO.	NAME AND DESCRIPTION	KEY NO.	PART NO.	NAME AND DESCRIPTION
AD-1	SDF-160	*Feed Table	AD-27	SDF-172S	Feed Table Side Guide Finger Screw
	SDF-160SS	Feed Table Set Screw	AD-28	SDF-10	Feed Table Bracket
AD-2	SDF-172LH	*Feed Table Side Guide — Left Hand		SDF-10P	Feed Table Bracket Dowel
AD-3	SDF-174	*Feed Table Side Guide — Two Up		SDF-10S	Feed Table Bracket Screws
	SDF-174P	Feed Table Side Guide Pin		SDF-10SS	Feed Table Bracket Set Screw
	SDF-174S	Feed Table Side Guide Screw	AD-29	SDF-223	Feed Table Raising Trip Lever Plate
AD-4	SDF-477	Feed Table Side Guide Bracket — Left Hand		SDF-223S	Feed Table Raising Trip Lever Plate Screw
AD-5	SDF-244S	Feeler Adjusting Arm Stud	AD-30	SDF-169	Feed Table Rack Gear
AD-6	SDF-244	Feeler Adjusting Arm		SDF-169K	Feed Table Rack Gear Key
	SDF-340	Feeler Operating Lever	AD-31	SDF-168	Feed Table Pinion Shaft
	SDF-340C	Feeler Operating Lever Collar		SDF-168R	Feed Table Pinion Shaft Retaining Ring
	SDF-340CSS	Feeler Operating Lever Collar Set Screw	AD-32	SDF-165	*Feed Table Raising Crank
	SDF-340P	Feeler Operating Lever Shaft		SDF-165K	Feed Table Raising Crank Key
AD-7	SDF-246S	Feed Table Raising Trip Lever Operating Arm Stud		SDF-165P	Feed Table Raising Crank Pin
	SDF-246E	Feed Table Raising Trip Lever Operating Arm Stud Spring		SDF-166	*Feed Table Raising Crank Handle
				SDF-166P	Feed Table Raising Crank Handle Pin
AD-8	SDF-246	Feed Table Raising Trip Lever Operating Arm	AD-33	SDF-188	Feed Table Lifting Pawl Carrier
AD-9	SDF-346	Feed Table Worm Sleeve Shaft Arm	AD-34	SDF-191	Feed Table Lift Pawl Carrier Drive Arm
	SDF-346P	Feed Table Worm Sleeve Shaft Arm Pin	AD-35	SDF-185	Feed Table Ratchet Wheel
AD-10	SDF-177	Feed Table Ratchet Release Handle Knob	AD-36	SDF-151	Feed Table Drive Link
AD-11	SDF-176	*Feed Table Ratchet Release Handle	AD-37	SDF-152ES	Feed Table Drive Arm Spring Stud
AD-12	SDF-151S	Feed Table Drive Link Stud	AD-38	SDF-153	Feed Table Drive Arm Ball Bearing
	SDF-151SN	Feed Table Drive Link Stud Nut	AD-39	SDF-149P	Feed Table Drive Arm Bracket Pin
AD-13	SDF-152S	Feed Table Drive Link Stud	AD-40	SDF-149	Feed Table Drive Arm Bracket
AD-14	SDF-186	Feed Table Lift Pawl Carrier Stop Bracket		SDF-149S	Feed Table Drive Arm Bracket Screw
	SDF-186S	Feed Table Lift Pawl Carrier Stop Bracket Screw	AD-41	SDF-153P	Feed Table Drive Arm Ball Bearing Pin
AD-15	SDF-189	Feed Table Pawl Carrier Limit Stop	AD-42	SDF-152E	Feed Table Drive Arm Spring
	SDF-189P	Feed Table Pawl Carrier Limit Stop Pin	AD-43	SDF-175	*Feed Table Release Lever
	SDF-189S	Feed Table Pawl Carrier Limit Stop Screw		SDF-175GP	Feed Table Release Lever Groove Pin
AD-16	SDF-349	Feed Table Worm Sleeve Shaft		SDF-175P	Feed Table Release Lever Pin
AD-17	SDF-267	Delivery Cross Drive Shaft Extension	AD-44	SDF-175S	Feed Table Release Lever Stud
	SDF-267P	Delivery Cross Drive Shaft Extension Pin	AD-45	SDF-187	Feed Table Lifting Pawl
	SDF-267½P	Delivery Cross Drive Shaft Extension Pin	AD-46	SDF-164E *	Feed Table Release Ratchet Spring
AD-18	SDF-266	Delivery Cross Drive Shaft Sleeve	AD-47	SDF-168C	Feed Table Pinion Shaft Collar
AD-19	SDF-188S	Feed Table Lifting Pawl Carrier Stud		SDF-168CSS	Feed Table Pinion Shaft Collar Set Screw
AD-20	SDF-188SE	Feed Table Lifting Pawl Carrier Spring	AD-48	SDF-184	Feed Table Raising Chain
AD-21	SDF-222	*Feed Table Raising Trip Lever	AD-49	SDF-270	*Delivery Cross Drive Sprocket
	SDF-222S	Feed Table Raising Trip Lever Stud		SDF-270K	Delivery Cross Drive Sprocket Key
AD-22	SDF-173	Feed Table Guide Finger Shaft		SDF-270P	Delivery Cross Drive Sprocket Pin
	SDF-173CP	Feed Table Guide Finger Shaft Cotter		SDF-270SS	Delivery Cross Drive Sprocket Set Screw
	SDF-173SS	Feed Table Guide Finger Shaft Set Screw	AD-50	SDF-270B	Delivery Cross Drive Sprocket Bushing
AD-23	SDF-172RH	*Feed Table Side Guide — Right Hand		SDF-271	*Delivery Cross Drive Sprocket Pin Support
AD-24	SDF-475	Feed Table Side Guide Bracket — Right Hand	AD-51	SDF-30S	Feed Table Front Stop Stud
AD-25	SDF-161	Feed Table Rack		SDF-30SN	Feed Table Front Stop Stud Nut
AD-26	SDF-161W	Feed Table Leather Washer	AD-52	SDF-164	Feed Table Release Ratchet
	SDF-161WP	Feed Table Leather Washer Pin		SDF-164K	Feed Table Release Ratchet Key
			AD-53	SDF-163	*Feed Table Worm Wheel
				SDF-163B	Feed Table Worm Wheel Ratchet Bushing
				SDF-163K	Feed Table Worm Gear Key
				SDF-180	Feed Table Worm
				SDF-180K	Feed Table Worm Key
				SDF-181	Feed Table Worm Sleeve
				SDF-183	Feed Table Worm Sprocket

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FIGURE AD

KEY NO.	PART NO.	NAME AND DESCRIPTION	KEY NO.	PART NO.	NAME AND DESCRIPTION
	SDF-183K	Feed Table Worm Sprocket Key		SDF-162P	Feed Table Front Strip Dowel
	SDF-183W	Feed Table Worm Sprocket Washer		SDF-162S	Feed Table Front Strip Screw
AD-54	SDF-187S	Feed Table Lifting Pawl Stud	AD-56	SDF-152	Feed Table Drive Arm
AD-55	SDF-162	Feed Table Front Strip	AD-57	SDF-341	Feeler Operating Link
	SDF-162F	Feed Table Front Strip Felt		SDF-341S	Feeler Operating Link Stud

Fig. 1 is a side view of the mechanical device. It shows a base (1) with a vertical column (2) and a horizontal arm (3) supporting a lens assembly (4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35). The top view shows the base (1) and the horizontal arm (2) with various components labeled 1 through 35.

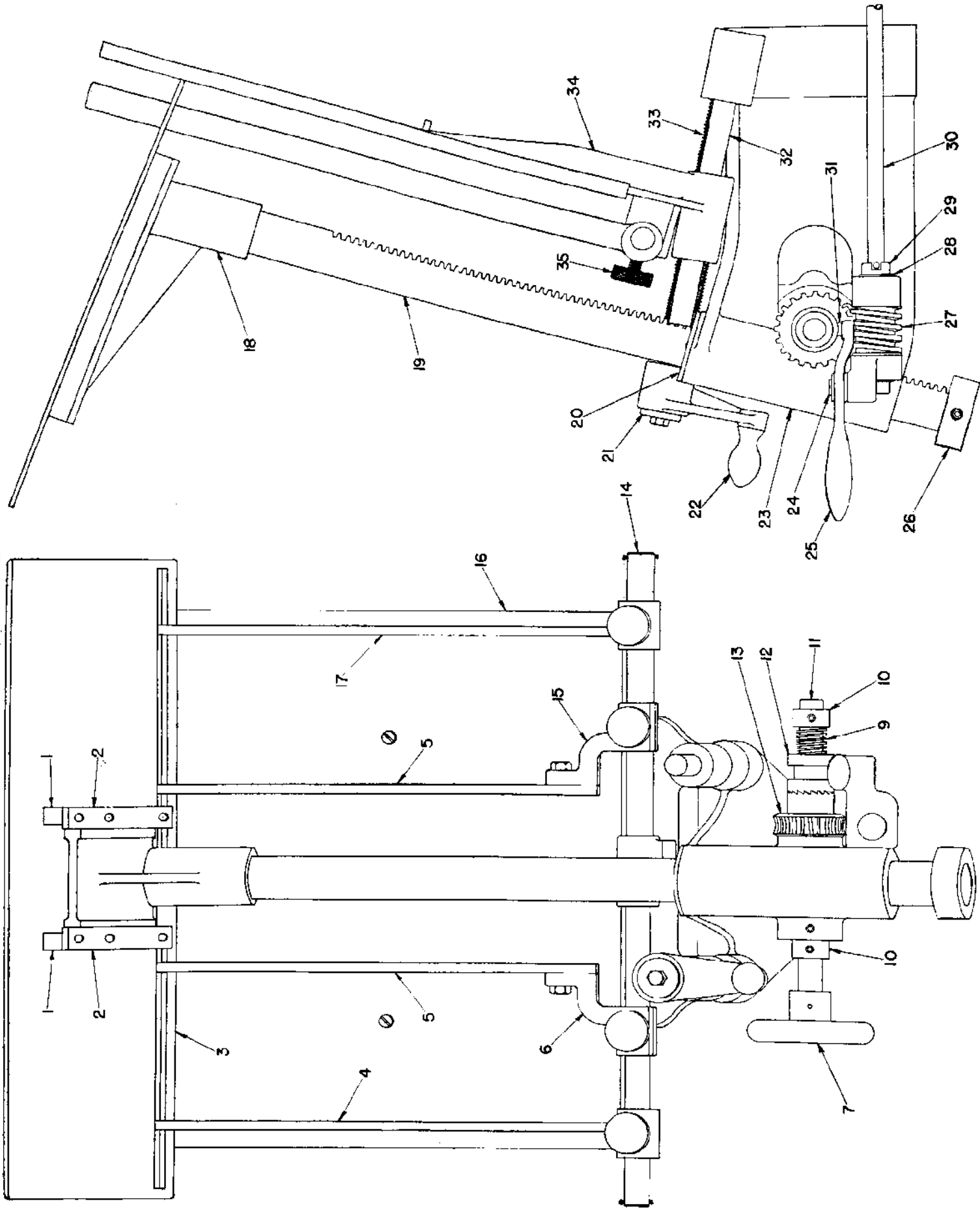


FIGURE AE

KEY NO.	PART NO.	NAME AND DESCRIPTION	KEY NO.	PART NO.	NAME AND DESCRIPTION
AE-1	SDF-230-1	Delivery Table Rail Support	AE-20	SDF-263W	Delivery Table Leather Washer
AE-2	SDF-230-2	Delivery Table Rail		SDF-263WP	Delivery Table Leather Washer Pin
AE-3	SDF-230	Delivery Table	AE-21	SDF-258W	Delivery Table Front Stop Drive Screw Washer
	SDF-230S	Delivery Table Rail Screw	AE-22	SDF-259	Delivery Table Drive Screw Handle
AE-4	SDF-254LH	Delivery Table Side Guide	AE-23	SDF-225	Delivery Table Bracket
AE-5	SDF-255	Delivery Table Side Guide — Two Up		SDF-225SS	Delivery Table Bracket Set Screw
AE-6	SDF-477	Delivery Table Side Guide Bracket — Left Hand		SDF-226	Delivery Table Support Bracket Shaft
AE-7	SDF-15	Delivery Front Stop Drive Screw Handle	AE-24	SDF-275S	Delivery Table Release Lever Stud
AE-8	SDF-15P	Delivery Front Stop Drive Handle Pin	AE-25	SDF-275	Delivery Table Release Lever
AE-9	SDF-276E	Delivery Table Release Ratchet Spring	AE-26	SDF-263C	Delivery Table Rack Collar
AE-10	SDF-260C	Delivery Table Pinion Shaft Collar		SDF-263CSS	Delivery Table Rack Collar Set Screw
	SDF-260CSS	Delivery Table Pinion Shaft Collar Set Screw	AE-27	SDF-262	Delivery Table Worm
AE-11	SDF-260	Delivery Table Pinion Shaft		SDF-262K	Delivery Table Worm Key
	SDF-260B	Delivery Table Pinion Shaft Bushing	AE-28	SDF-272	Delivery Table Worm Shaft Ring
	SDF-260BS	Delivery Table Pinion Shaft Bushing Set Screw		SDF-273	Delivery Table Worm Shaft Outer Ring
AE-12	SDF-276	Delivery Table Release Ratchet	AE-29	SDF-261	Delivery Table Worm Shaft
	SDF-276K	Delivery Table Release Ratchet Key	AE-30	SDF-265	Delivery Table Cross Drive Shaft
AE-13	SDF-360	Delivery Table Worm Wheel		SDF-265E	Delivery Cross Drive Shaft Spring
	SDF-360B	Delivery Worm Gear Ratchet Bushing		SDF-265P	Delivery Cross Drive Shaft Pin
	SDF-360K	Delivery Worm Gear Ratchet Bushing Key	AE-31	SDF-275P	Delivery Table Release Lever Pin
AE-14	SDF-253	Delivery Table Guide Finger Shaft	AE-32	SDF-257	Delivery Table Front Stop Rod — Right Hand
	SDF-253SS	Delivery Table Guide Finger Shaft Set Screw		SDF-257SS	Delivery Table Front Stop Rod — Set Screw
AE-15	SDF-475	Delivery Table Side Guide Bracket — Right Hand	AE-33	SDF-258	Delivery Table Front Stop Adjusting Screw
AE-16	SDF-251	Delivery Table Front Stop Plate		SDF-258½S	Delivery Table Front Stop Adjusting Limit Screw
	SDF-251S	Delivery Table Front Plate Screw		SDF-256	Delivery Table Front Stop Rod — Left Hand
AE-17	SDF-254RH	Delivery Table Side Guide		SDF-256SS	Delivery Table Front Stop Rod Set Screw
AE-18	SDF-252	Delivery Table Slide	AE-34	SDF-250	Delivery Table Front Stop Plate Bracket
	SDF-252SS	Delivery Table Slide Set Screw	AE-35	SDF-254S	Delivery Table Side Guide Finger Screw
AE-19	SDF-263	Delivery Table Rack			
	SDF-264	Delivery Table Rack Gear			
	SDF-264K	Delivery Table Rack Gear Key			

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FIGURE AF

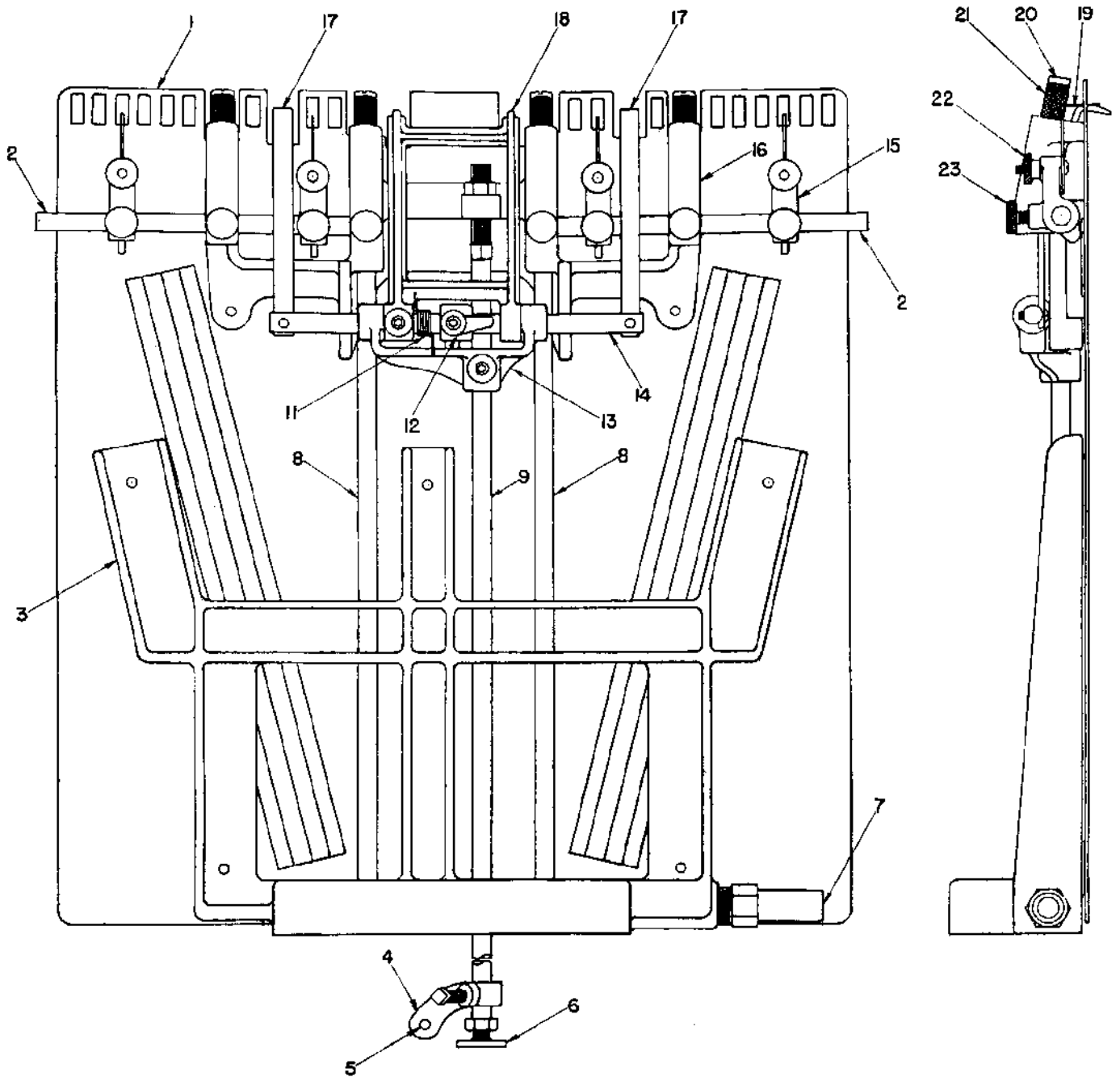


FIGURE AF

KEY NO.	PART NO.	NAME AND DESCRIPTION	KEY NO.	PART NO.	NAME AND DESCRIPTION
AF-1	SDF-31-1	*Feed Table Front Stop Plate Assembly		SDF-214SS	Feed Table Feeler Shaft Bracket Set Screw
	SDF-31-1S	Feed Table Front Stop Plate Screw			
AF-2	SDF-211	Feed Table Stripper Wire Bracket Shaft	AF-14	SDF-220	Feed Table Feeler Shaft
	SDF-211P	Feed Table Stripper Wire Bracket Plug	AF-15	SDF-207	Feed Table Stripper Wire Bracket
	SDF-211SS	Feed Table Stripper Wire Bracket Set Screw	AF-16	SDF-30-2	*Feed Table Front Stop Blast Bracket
				SDF-30-2P	*Feed Table Front Stop Blast Bracket Plug
AF-3	SDF-30-1	Feed Table Front Stop		SDF-30-2S	Feed Table Front Stop Blast Bracket Set Screw
	SDF-30-1G	Feed Table Front Stop Bracket Gasket		SDF-30-2SS	Feed Table Front Stop Blast Bracket Set Screw
AF-4	SDF-216	Feeler Operating Rod Arm		SDF-30-2SSN	Feed Table Front Stop Blast Bracket Set Screw Nut
	SDF-216SS	Feeler Operating Rod Arm Set Screw			
AF-5	SDF-216P	Feeler Operating Rod Arm Pin	AF-17	SDF-485	Auxiliary Feeler
AF-6	SDF-2175	Feeler Operating Rod Screw		SDF-485S	Auxiliary Feeler Screw
	SDF-2175N	Feeler Operating Rod Screw Nut	AF-18	SDF-213	Feed Table Feeler
AF-7	SDF-30N	Feed Table Blast Hose Nipple		SDF-213SS	Feed Table Feeler Set Screw
	SDF-58-6	Feed Table Blast Hose, Upper	AF-19	SDF-207E	Feed Table Stripper Wire
AF-8	SDF-32	Feed Table Front Stop Blast Tube		SDF-207ES	Feed Table Stripper Wire Screw
AF-9	SDF-217	Feeler Operating Rod	AF-20	SDF-34	*Feed Table Blast Nipple
AF-11	SDF-213E	Feed Table Feeler Spring	AF-21	SDF-33	*Feed Table Blast Nipple Sleeve
AF-12	SDF-215	Feed Table Feeler Shaft Stop Collar	AF-22	SDF-207N	Feed Table Stripper Wire Bracket Set Screw Nut
	SDF-215SS	Feed Table Feeler Shaft Stop Collar Set Screw			
AF-13	SDF-214	Feed Table Feeler Shaft Bracket	AF-23	SDF-207S	Feed Table Stripper Wire Lock Screw

Parts marked with an asterisk () indicate special fitting and will be shipped with their mating part or parts.

FIGURE AG

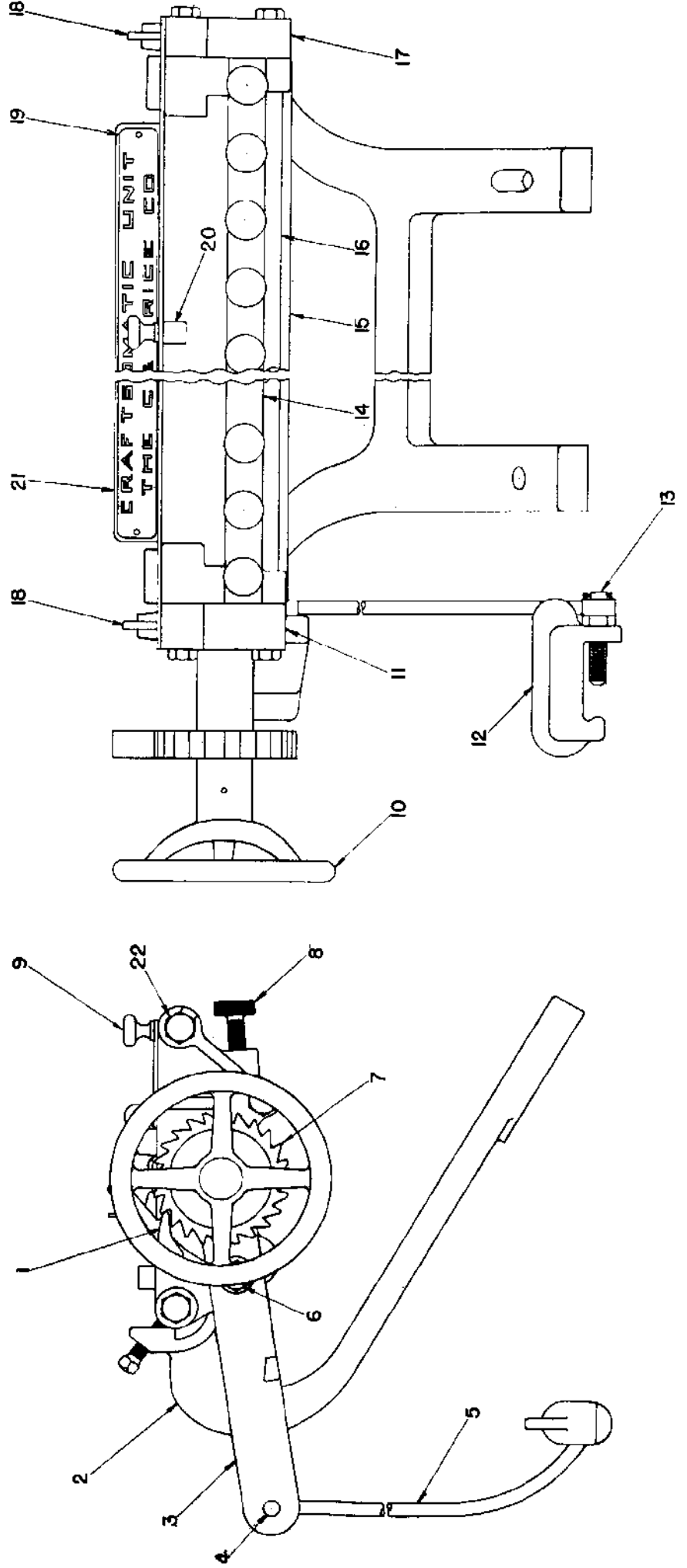


FIGURE AG

KEY NO.	PART NO.	NAME AND DESCRIPTION	KEY NO.	PART NO.	NAME AND DESCRIPTION
AG-1	SD-90	Fountain Ratchet Pawl		SD-91SS	Fountain Adjusting Block Set Screw
AG-2	SD-87	Fountain Bracket	AG-14	SD-93	Front Brace
	SD-87S	Fountain Bracket Screw		SD-93½	Rear Separator
	SD-87SS	Fountain Bracket Set Screw		SD-93½S	Front Brace Screw
	SD-87SSN	Fountain Bracket Set Screw Nut	AG-15	SD-85½	Fountain Roll
	SD-87SW	Fountain Bracket Screw Washer		SD-85½B	Fountain Roll Bushing
AG-3	SD-88	Fountain Ratchet Lever		SD-85½P	Fountain Roll Pin
AG-4	SD-88P	Ratchet Lever Pin		SD-86R	Fountain Roll Cap, Right Hand
AG-5	SD-88½	Fountain Drive Rod		SD-86L	Fountain Roll Cap, Left Hand
	SD-88½E	Fountain Drive Rod Spring		SD-86C	Fountain Cap Oil Cup
AG-6	SD-90S	Ratchet Pawl Screw		SD-86NP	Fountain Roll Cap Nut Pin
AG-7	SD-89	Ratchet Wheel		SD-86P	Fountain Roll Cap Pin
	SD-89K	Ratchet Wheel Key		SD-86S	Fountain Roll Cap Screw
AG-8	SD-85T	Thumb Screw		SD-89½	Fountain Blade
AG-9	SD-92	Fountain Cover Knob		SD-89½S	Fountain Blade Screw
AG-10	SD-92½	Fountain Hand Wheel	AG-16	SD-97	Front Brace Shaft
	SD-90½P	Fountain Hand Wheel Pin		SD-97S	Front Brace Shaft Screw
AG-11	SD-85L	Left Side Frame		SD-99	Fountain Roll Shaft
	SD-85N	Fountain Adjusting Screw Wing Nut		SD-99P	Fountain Roll Shaft Pin
	SD-85NP	Fountain Adjusting Screw Wing Nut Pin	AG-17	SD-85R	Right Side Frame
	SD-85S	Fountain Adjusting Screw	AG-18	SD-86N	Fountain Cap Wing Nut
	SD-85SW	Fountain Adjusting Screw Washer	AG-19	SD-300	Automatic Feeder Name Plate
AG-12	SD-90½	Fountain Driver		SD-300P	Fountain Name Plate Pin
AG-13	SD-90½S	Fountain Drive Screw	AG-20	SD-87½L	Fountain Cover Latch
	SD-90½SC	Fountain Drive Screw Cotter	AG-21	SD-87½	Fountain Cover
	SD-91	Fountain Adjusting Block		SD-87½R	Fountain Cover Rivet
			AG-22	SD-93S	Fountain Brace Screw

FIGURE AH

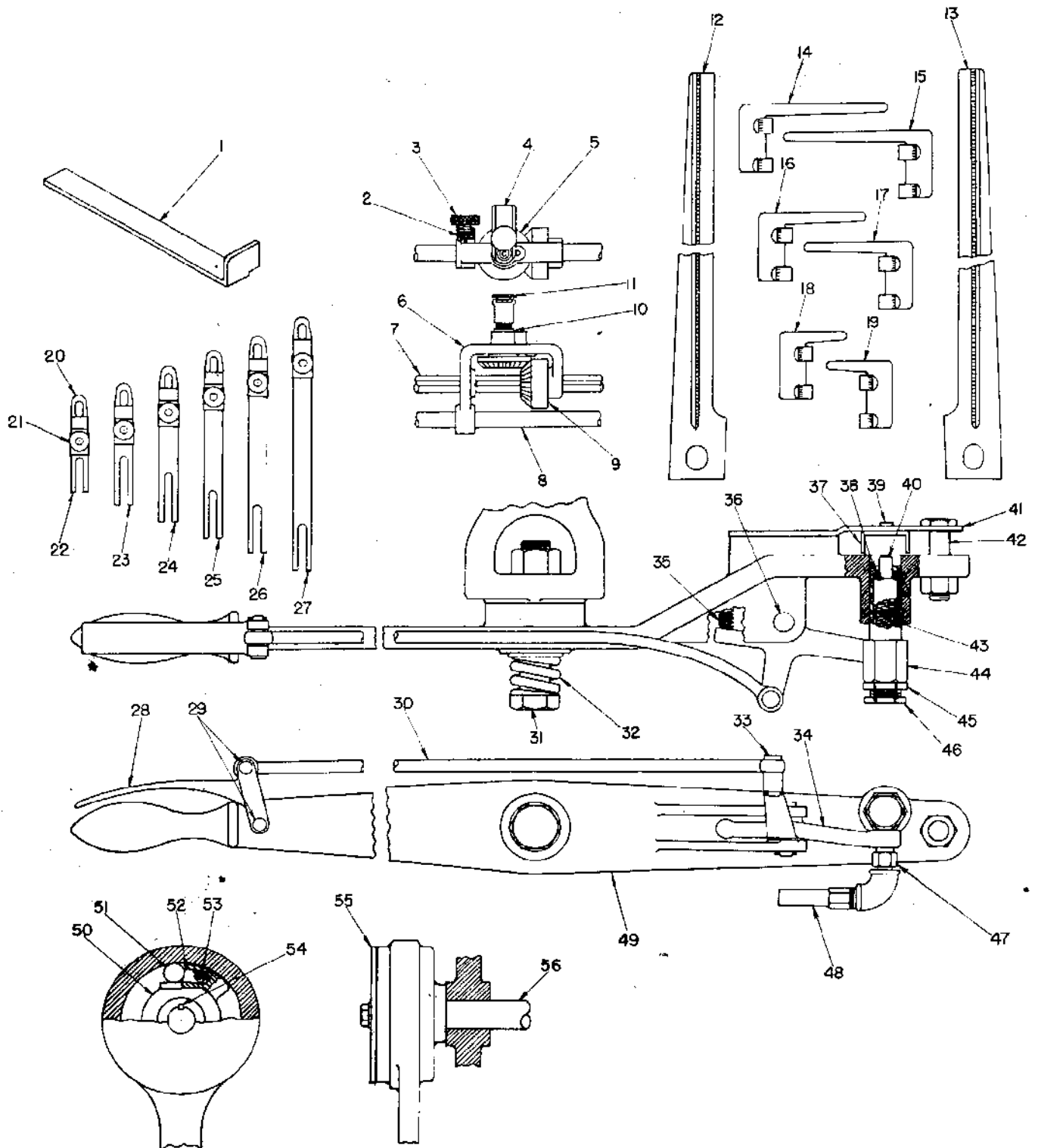


FIGURE AH

KEY NO.	PART NO.	NAME AND DESCRIPTION	KEY NO.	PART NO.	NAME AND DESCRIPTION
AH-1	SDF-399	Feed Stroke Gage		SD-78LPC	Throw-Off Lever Grip Latch Pin Cotter
AH-2	SDF-436E	Register Bracket Lock Screw Spring			
AH-3	SDF-436	Register Bracket Lock Screw	AH-30	SD-78LC	Latch Handle Connection
AH-4	SDF-440	*Register Finger Holder	AH-31	SD-78S	Throw-Off Lever Stud
AH-5	SDF-438	Register Gear and Post		SD-78SN	Throw-Off Lever Stud Nut
AH-6	SDF-439	*Register Bracket		SD-78SW	Throw-Off Lever Stud Lock Washer
AH-7	SDF-428	Register Operating Shaft	AH-32	SD-78SE	Throw-Off Lever Spring
	SDF-429	Register Operating Shaft Collar	AH-34	SD-78½	Plunger Operating Lever
	SDF-429CP	Register Operating Shaft Cotter Pin	AH-35	SD-78E	Plunger Operating Lever Spring
	SDF-429SS	Register Operating Shaft Collar Set Screw	AH-36	SD-78½P	Plunger Operating Lever Pin
				SD-78½PC	Plunger Operating Lever Pin Cotter
	SDF-429W	Register Operating Shaft Washer	AH-37	SDF-292	Sliding Bar Guide
AH-8	SDF-425	Register Guide Shaft	AH-38	SDF-287W	Throw-Off Plunger Washer
AH-9	SDF-432	Register Bracket Bevel Gear	AH-39	SDF-293	Sliding Bar Guide Pin
	SDF-432K	Register Bracket Bevel Gear Key	AH-40	SDF-288	Throw-Off Plunger
AH-10	SDF-437	*Register Bracket Bevel Gear Stem	AH-41	SD-78G	Sliding Bar Gib
AH-11	SDF-440N	Register Finger Clamp Nut		SD-78GS	Throw-Off Sliding Bar Gib Screw
	SDF-440S	Register Finger Clamp Screw		SD-78GSW	Throw-Off Sliding Bar Gib Screw Washer
	SDF-440SS	Register Finger Holder Set Screw			
AH-12	SD-81M	Right Hand Gripper	AH-42	SD-72½S	Lower Connection Screw
	SD-81M	Short Right Hand Gripper		SD-72½SN	Lower Connection Screw Nut
	SD-80N	Gripper Screw Nut	AH-43	SDF-289	Throw-Off Plunger Spring
	SD-80S	Gripper Screw	AH-44	SDF-287	Throw-Off Plunger Cylinder
AH-13	SD-80M	Left Hand Gripper	AH-45	SDF-287N	Adjusting Screw Lock Nut
AH-14	SD-81MC	Right Gripper Extension, Long	AH-46	SDF-287S	Plunger Spring Adjusting Screw
AH-15	SD-80MC	Left Gripper Extension, Long	AH-47	SDF-284	Throw-Off Valve Nipple
AH-16	SD-81MB	Right Gripper Extension, Medium		SDF-290	Throw-Off Valve Nipple Elbow
AH-17	SD-80MB	Left Gripper Extension, Medium	AH-48	SDF-286	Plunger Cylinder Nipple
AH-18	SD-81MA	Right Gripper Extension, Short	AH-49	SD-78	Throw-Off Lever
AH-19	SD-80MA	Left Gripper Extension, Short		SD-78W	Throw-Off Lever Washer
AH-20	SDF-407E	Register Finger Spring		SDF-58-2	Throw-Off Lever Hose
AH-21	SDF-407N	Register Finger Spring Clamp Nut	AH-50	SD-38½	Silent Pawl Spider
	SDF-407S	Register Finger Spring Clamp Screw	AH-51	SD-38R	Silent Pawl Roller
AH-22	SDF-408	*Register Finger 2-11/16" long	AH-52	SD-38½P	Silent Pawl Plunger
AH-23	SDF-409	*Register Finger 3-1/8" long	AH-53	SD-38½E	Silent Pawl Plunger Spring
AH-24	SDF-408½	*Register Finger 4" long	AH-54	SD-38½K	Silent Pawl Spider Key
AH-25	SDF-407	*Register Finger 4-7/8" long	AH-55	SD-38W	Silent Pawl Retaining Plate
AH-26	SDF-407½	*Register Finger 5-5/8" long	AH-56	SD-37½	Ink Disc Lever Shaft
AH-27	SDF-443	*Register Finger 6-5/8" long		SD-37½B	Disc Lever Shaft Bushing
AH-28	SD-78L	Latch Handle		SD-37½C	Ink Disc Lever Shaft Collar
	SD-78GL	Throw-Off Lever Grip Latch		SD-37½CSS	Ink Disc Lever Shaft Collar Set Screw
	SD-78GLP	Throw-Off Lever Grip Latch Pin		SD-37½S	Disc Lever Shaft Screw
AH-29	SD-78LP	Latch Handle Connection Pin		SD-37½SW	Disc Lever Shaft Screw Lock Washer

Parts marked with an asterisk () indicate special fitting and will be shipped with their mating part or parts.

FIGURE AJ

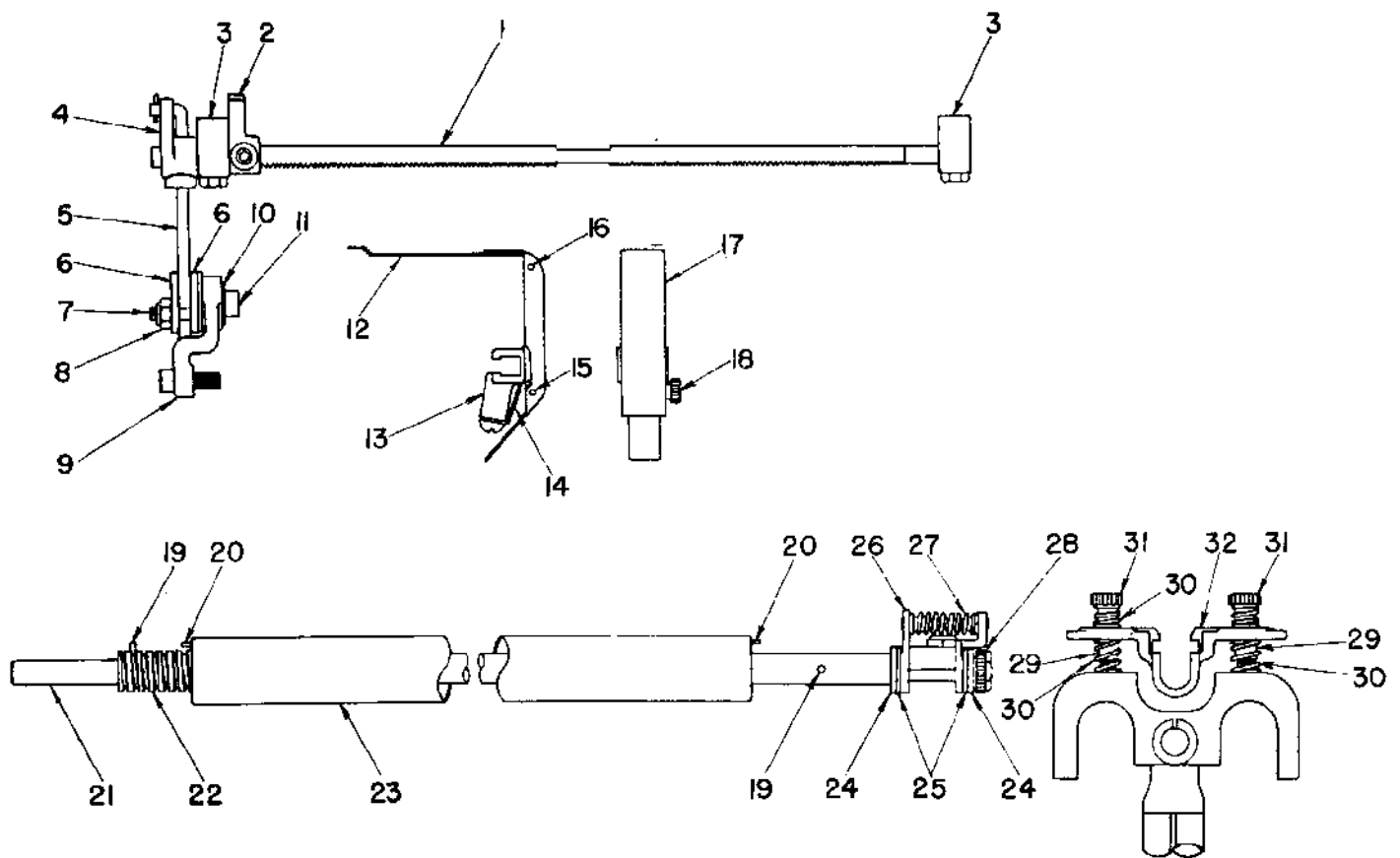


FIGURE AK

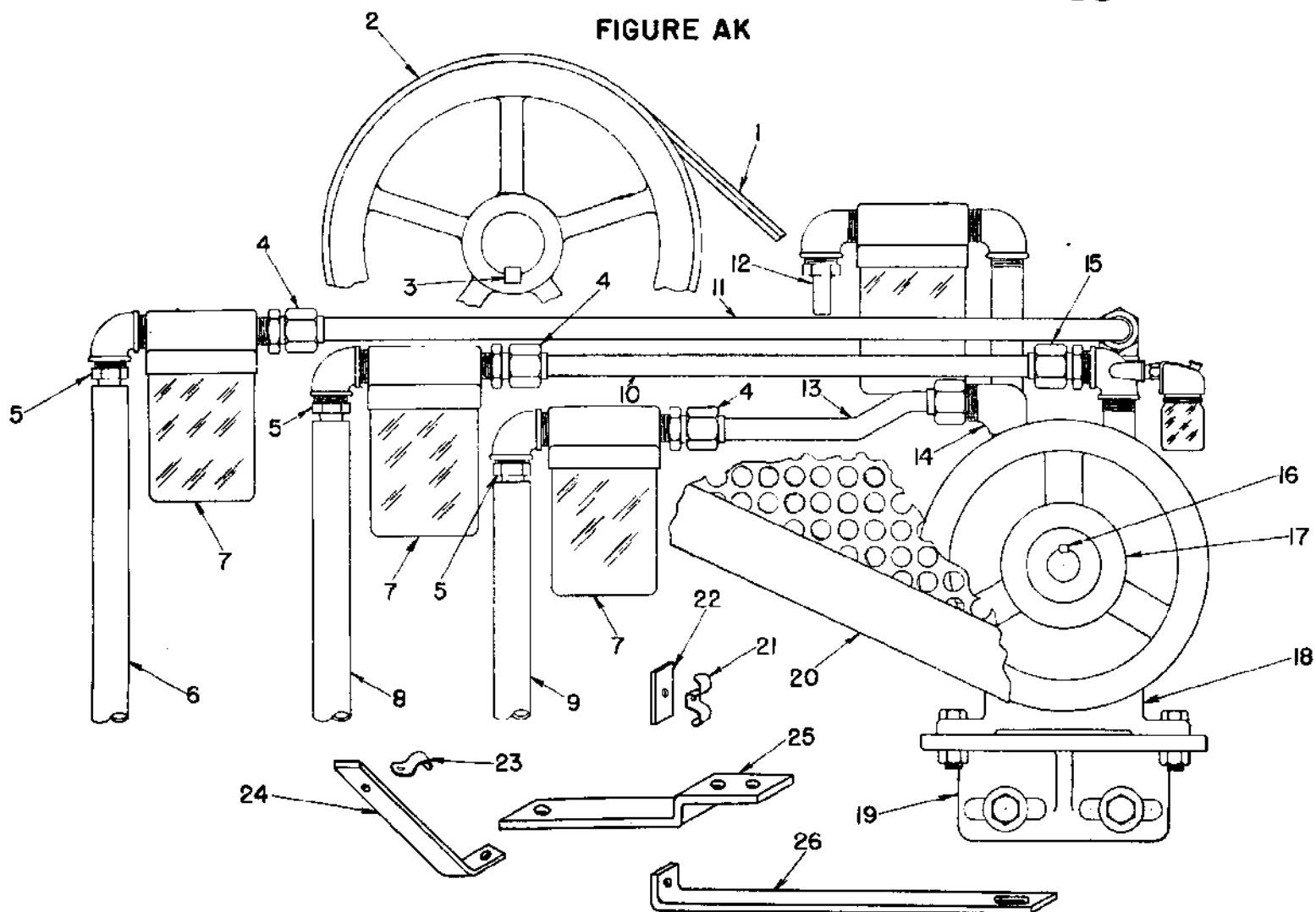


FIGURE AJ

KEY NO.	PART NO.	NAME AND DESCRIPTION	KEY NO.	PART NO.	NAME AND DESCRIPTION
AJ-1	SDF-905	Hold Down Shaft	AJ-16	SDF-902P	*Hold Down Finger Guide Pin
AJ-2	SDF-908	Hold Down Limit Lever	AJ-17	SDF-902	*Hold Down Finger Guide
	SDF-908S	Hold Down Limit Lever Screw	AJ-18	SDF-903	Hold Down Finger Clamp Screw
	SDF-908SS	Hold Down Limit Lever Set Screw	AJ-19	DRSD-5P	Vibrator Shaft Stop Pin
AJ-3	SDF-906	Hold Down Shaft Bracket	AJ-20	DRSD-7D	Vibrator Roll Stop Pin
	SDF-906S	Hold Down Shaft Bracket Screw, Short	AJ-21	DRSD-5	Vibrator Shaft
	SDF-906½S	Hold Down Shaft Bracket Screw, Long	AJ-22	DRSD-8 RH	Vibrator Screw, Right Hand
				DRSD-8 LH	Vibrator Screw, Left Hand
AJ-4	SDF-910	Hold Down Operating Lever	AJ-23	DRSD-4	Vibrator Roll Tube
	SDF-910SS	Hold Down Operating Lever Set Screw		DRSD-4P	Vibrator Roller Pin
				DRSD-6	Vibrator Roller Bushing
AJ-5	SDF-913	Hold Down Operating Rod		DRSD-7 RH	Vibrator Roller Nut, Right Hand
	SDF-913P	Hold Down Operating Rod Cotter		DRSD-7 LH	Vibrator Roller Nut, Left Hand
AJ-6	SDF-911	Hold Down Friction Washer	AJ-24	DRSD-13	Vibrator Clutch Plate
	SDF-911E	Hold Down Friction Washer Spring	AJ-25	DRSD-14	Vibrator Clutch Facing
AJ-7	SDF-911S	Hold Down Friction Washer Stud	AJ-26	DRSD-10	Vibrator Shaft Bearing
AJ-8	SDF-911SN	Hold Down Friction Washer Stud Nut		DRSD-11	Vibrator Roll Release
AJ-9	SDF-912	Operating Rod Swivel Bracket		DRSD-11P	Vibrator Roll Release Screw Pin
	SDF-912S	Operating Rod Swivel Bracket Screw		DRSD-12	Vibrator Roll Release Pin
AJ-10	SDF-909C	Hold Down Operating Rod Swivel Retaining Ring	AJ-27	DRSD-11E	Vibrator Roll Release Spring
AJ-11	SDF-909	Hold Down Operating Rod Swivel	AJ-28	DRSD-15	Vibrator Clutch Adjusting Nut
AJ-12	SDF-900	Hold Down Finger	AJ-29	DRSD-3	Vibrator Adjusting Sleeve
AJ-13	SDF-901	*Hold Down Finger Bracket	AJ-30	DRSD-1E	Vibrator Saddle Spring
	SDF-901BB	Hold Down Finger Bracket Ball Bearing	AJ-31	DRSD-3N	Vibrator Adjusting Sleeve Nut
			AJ-32	DRSD-2	Vibrator Saddle, Right Hand
				DRSD-1S	Vibrator Saddle Stud
	SDF-901E	Hold Down Finger Bracket Spring		DRSD-1SLN	Vibrator Clutch Lock Nut
	SDF-901S	Hold Down Finger Bracket Screw		DRSD-1SP	Vibrator Saddle Stud Pin
AJ-14	SDF-904	Hold Down Finger Operating Spring		DRSD-1W	Vibrator Saddle Spring Washer
AJ-15	SDF-903N	Hold Down Finger Clamp Screw Nut		DRSD-1	Vibrator Saddle, Left Hand

FIGURE AK

AK-1	SDF-305	Pump Belt		SDF-300-7	Pump Pipe Nipple
AK-2	SDF-303	Pump Drive Pulley		SDF-300-8	Pump Pipe Bushing
AK-3	SDF-303K	Pump Drive Pulley Key	AK-19	SDF-301	Pump Bracket
	SDF-303SS	Pump Drive Pulley Set Screw		SDF-301S	Pump Bracket Screw
AK-4	SDF-314	Pump Tube Connector		SDF-301SW	Pump Bracket Screw Washer
AK-5	SDF-300-1	Pump Blast Nipple	AK-20	SDF-305G	Pump Belt Guard
AK-6	SDF-58-4	Feed Valve Hose	AK-21	SDF-308½	Pump Tube Clip
AK-7	SDF-300F	Pump Filter		SDF-308½S	Pump Tube Clip Screw
AK-8	SDF-58-5	Delivery Valve Hose		SDF-308½SN	Pump Tube Clip Screw Nut
AK-9	SDF-58-1	Feed Table Blast Hose, Lower	AK-22	SDF-306	Pump Pipe Brace
AK-10	SDF-313-15	Pump Steel Tubing	AK-23	SDF-308	Pump Pipe Support Clamp
AK-11	SDF-313-24	Pump Steel Tubing		SDF-308S	Pump Pipe Support Clamp Screw
AK-12	SDF-338	Hose Nipple	AK-24	SDF-307	Pump Pipe Support
AK-13	SDF-313-8	Pump Steel Tubing		SDF-307S	Pump Pipe Support Screw
AK-14	SDF-316	Pump Tube Elbow	AK-25	SDF-309	Pump Belt Guard Brace, Lower
AK-15	SDF-315	Pump Tube Connector		SDF-309S	Pump Belt Guard Brace Screw
AK-16	SDF-304K	Pump Driven Pulley Key		SDF-309SN	Pump Belt Guard Brace Screw Nut
AK-17	SDF-304F	Pump Driven Pulley Flange		SDF-309SW	Pump Belt Guard Brace Screw Washer
	SDF-304	Pump Driven Pulley	AK-26	SDF-310	Pump Belt Guard Brace, Upper
	SDF-304SS	Pump Driven Pulley Set Screw		SDF-310SN	Pump Belt Guard Brace Screw Nut
AK-18	SDF-300	Pump		SDF-310S	Pump Belt Guard Brace Screw, Upper
	SDF-300S	Pump Base Screw		SDF-310SW	Pump Belt Guard Brace Screw Washer
	SDF-300SN	Pump Base Screw Nut			
	SDF-300-2	Pump Pipe Elbow			
	SDF-300-3	Pump Street Elbow			
	SDF-300-6	Pump Close Nipple			

Parts marked with an asterisk () indicate special fitting and will be shipped with their mating part or parts.

FIGURE 1A

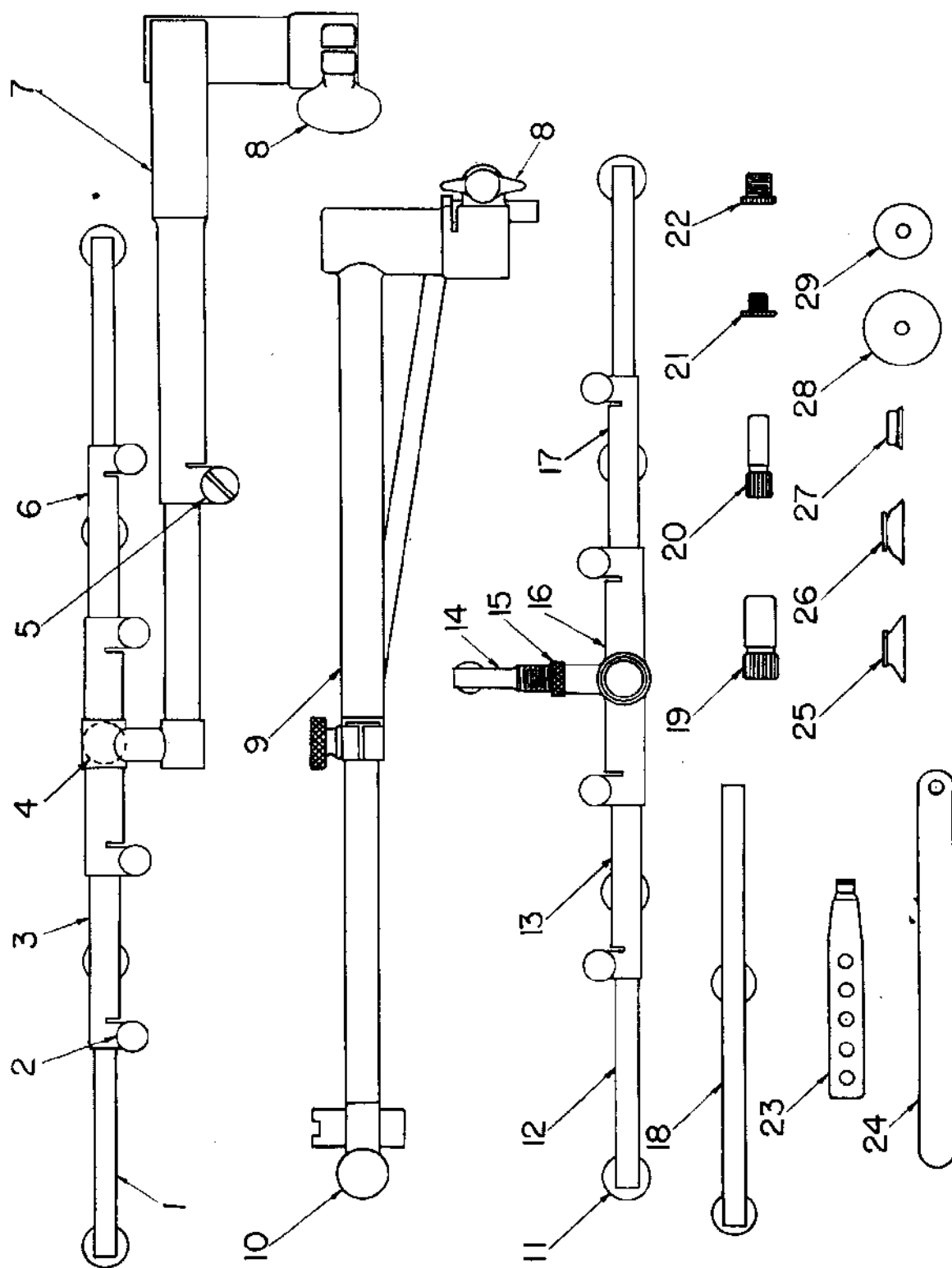


FIGURE AL

KEY NO.	PART NO.	NAME AND DESCRIPTION	KEY NO.	PART NO.	NAME AND DESCRIPTION
AL-1	SDF-381	Feed Double End Sucker	AL-16	SDF-396	*Delivery Bar Sucker Head
AL-2	SDF-375	Sucker Tube Clamp Screw	AL-17	SDF-393	Delivery Sucker Tube — Right Hand
AL-3	SDF-384	Feed Sucker Tube — Left Hand	AL-18	SDF-382	End Feed Sucker Tip
AL-4	SDF-376-1	*Feed Center Sucker Tip	AL-19	SDF-386	Sucker Tube Plug
AL-5	SDF-372S	Feed Sucker Tube Clamp Screw	AL-20	SDF-385	Sucker Tube End Plug
AL-6	SDF-383	Feed Sucker Tube — Right Hand	AL-21	SDF-376S	Feed Sucker Head Plug
AL-7	SDF-370	*Feed Bar	AL-22	SDF-396-3	Delivery Sucker Head Plug
AL-8	SDF-41S	Feed and Delivery Bar Wing Nut	AL-23	SDF-390	Dummy Sucker Foot
AL-9	SDF-41	*Delivery Bar	AL-24	SDF-393½	Sheet Control Finger
AL-10	SDF-43S	Delivery Bar Clamp Screw	AL-25	SDF-68	Large Rubber Sucker Tip
AL-11	SDF-388	Delivery Metal Sucker Tip	AL-26	SDF-68A	Large Rubber Sucker Tip
AL-12	SDF-395	Delivery End Sucker Tube	AL-27	SDF-389	Small Rubber Sucker Tip
AL-13	SDF-394	Delivery Sucker Tube — Left Hand	AL-28	SDF-391	Large Emery Disc
AL-14	SDF-397	Delivery Extension Sucker	AL-29	SDF-392	Small Emery Disc
AL-15	SDF-397-5	Delivery Extension Sucker Lock Nut		SDF-398	Delivery Sucker Envelope Spring

Parts marked with an asterisk () indicate special fitting and will be shipped with their mating part or parts.

NUMERICAL PARTS LIST

Part No.	Key No.	Part No.	Key No.	Part No.	Key No.	Part No.	Key No.
BGSD-4	AB-10	SD-0	AA-65	SD-20P		SD-39BB	
BGSD-4S		SD-1	AB-68	SD-20S		SD-39E	
BGSD-4SN		SD-1K	AB-69	SD-20½		SD-39EC	
BGSD-5		SD-1S		SD-21	AB-5	SD-39L	
BGSD-5N		SD-1SW		SD-21S	AB-55	SD-39LH	
BGSD-5W		SD-3	AA-66	SD-21W		SD-39LP	
BGSD-10	AB-9	SD-3T	AB-60	SD-21WS		SD-39P	
BLSD-1	AB-19	SD-3TCS		SD-22	AA-68	SD-39½P	AB-41
BLSD-1E	AB-18	SD-3TR		SD-22½	AA-69	SD-40E	
BLSD-1P	AB-17	SD-3TS	AB-62	SD-22½S-short		SD-40R	
BLSD-1PC		SD-4	AA-59	SD-22½S-long		SD-42	AB-65
BLSD-1SS		SD-4T	AA-78	SD-23	AB-4	SD-42S	
BLSD-1SSN		SD-4TS		SD-23P		SD-43	AB-38
BLSD-2	AB-16	SD-6	AB-87	SD-23S		SD-43B	AB-37
BLSD-2S		SD-6E		SD-23SW		SD-43S	
BLSD-2SW		SD-6EC		SD-26		SD-43SW	
BLSD-3	AB-22	SD-6EW		SD-26K		SD-45	AA-67
BLSD-3P	AB-23	SD-6R		SD-27	AB-42	SD-45F	
BLSD-3SS		SD-6SS		SD-28L		SD-45K	
BLSD-4		SD-6SSN		SD-28LN		SD-45P	
BLSD-5	AB-25	SD-7½	AA-73	SD-28LP		SD-45W	
DRSD-1		SD-7½S		SD-28½		SD-47	AA-61
DRSD-1E	AJ-30	SD-7½W		SD-30	AB-61	SD-47B	
DRSD-1S		SD-8	AA-72	SD-30E		SD-47C	
DRSD-1SLN		SD-8C		SD-30H		SD-47S	AB-70
DRSD-1SP		SD-8P		SD-30L	AB-59	SD-55	AB-56
DRSD-1W		SD-8S		SD-30LS	AA-77	SD-55S	
DRSD-2	AJ-32	SD-8SW		SD-30N		SD-61	
DRSD-3	AJ-29	SD-10	AB-2	SD-30S		SD-62	
DRSD-3N	AJ-31	SD-10K		SD-30SW		SD-62P	
DRSD-4	AJ-23	SD-10SS		SD-31	AB-51	SD-63	
DRSD-4P		SD-11	AB-57	SD-31E	AB-52	SD-63BB	
DRSD-5	AJ-21	SD-11K		SD-31H		SD-63E	
DRSD-5P	AJ-19	SD-11S		SD-31HC		SD-63P	
DRSD-6		SD-11SW		SD-31HW		SD-64	AB-67
DRSD-7RH		SD-11W		SD-31P		SD-64L	
DRSD-7LH		SD-12	AA-41	SD-31W		SD-64R	
DRSD-7D	AJ-20	SD-12B		SD-32	AB-50	SD-64½	AB-64
DRSD-8RH	AJ-22	SD-12BS		SD-32S	AB-49	SD-65	AB-54
DRSD-8LH		SD-12C		SD-32SN		SD-65P	
DRSD-10	AJ-26	SD-12CS		SD-33		SD-65S	
DRSD-11		SD-12KC		SD-33S		SD-66	
DRSD-11E	AJ-27	SD-12KCS		SD-33SN		SD-67	AB-45
DRSD-11P		SD-12T		SD-33T		SD-67H	
DRSD-12		SD-12TC		SD-33TC		SD-67P	
DRSD-13	AJ-24	SD-12TCL		SD-33TCL		SD-67PSS	
DRSD-14	AJ-25	SD-12TP		SD-33TP		SD-68	AA-53
DRSD-15	AJ-28	SD-12W		SD-36	AA-70	SD-68B	
ESD-1	AB-12	SD-13	AA-42	SD-36S		SD-68K	AA-54
ESD-1S		SD-13K	AA-43	SD-36SC		SD-68BP	
ESD-1SS		SD-14	AA-56	SD-37	AA-71	SD-69	AA-79
ESD-3	AB-11	SD-15	AB-86	SD-37½	AH-56	SD-70	AB-7
ESD-3S		SD-15C		SD-37½B		SD-70K	
ESD-3SN		SD-15S	AB-85	SD-37½C		SD-70SS-Long	
ESD-3W		SD-15SN		SD-37½CSS		SD-70SS-Short	
GSD-1	AA-55	SD-16	AB-46	SD-37½S		SD-71	
GSD-1S		SD-17	AB-63	SD-37½SW		SD-71SS	
GSD-4	AA-52	SD-17N		SD-38R	AH-51	SD-71SSN	
GSD-4S		SD-17S	AB-66	SD-38W	AH-55	SD-72	AB-8
GSD-8	AB-3	SD-17SW		SD-38½	AH-50	SD-72P	AB-6
GSD-8S		SD-18		SD-38½E	AH-53	SD-72PC	
GSD-8W		SD-18S		SD-38½K	AH-54	SD-72½-1	AB-21
GSD-26		SD-18SN		SD-38½P	AH-52	SD-72½-2	AB-20
GSD-26S		SD-19T		SD-39	AA-64	SD-72½-2N	
GSD-63		SD-20		SD-39B		SD-72½-3	AB-30

NUMERICAL PARTS LIST

Part No.	Key No.	Part No.	Key No.	Part No.	Key No.	Part No.	Key No.
SD-72½-3N		SD-87SW		SD-105P		SDF-20	AB-76
SD-72½S	AH-42	SD-87½	AG-21	SD-106		SDF-20P	AB-72
SD-72½SN		SD-87½L	AG-20	SD-106SS		SDF-20S	AB-71
SD-73	AB-26	SD-87½R		SD-108	AB-39	SDF-21	AB-73
SD-76	AB-29	SD-88	AG-3	SD-108S		SDF-22	AB-74
SD-76P	AB-15	SD-88P	AG-4	SD-108SS		SDF-23	
SD-76PC		SD-88½	AG-5	SD-109	AB-28	SDF-23E	
SD-76S		SD-88½E		SD-109S		SDF-23ES	
SD-76SN		SD-89	AG-7	SD-109SN		SDF-23EW	
SD-76SS		SD-89K		SD-110	AA-76	SDF-23S	
SD-78	AH-49	SD-89½		SD-110P		SDF-24	AB-80
SD-78E	AH-35	SD-89½S		SD-110S		SDF-24S	
SD-78G	AH-41	SD-90	AG-1	SD-111	AA-75	SDF-24½	AB-82
SD-78GL		SD-90S	AG-6	SD-113		SDF-24½S	
SD-78GLP		SD-90½	AG-12	SD-113LW		SDF-24½W	
SD-78GS		SD-90½S	AG-13	SD-113W		SDF-25	
SD-78GSW		SD-90½SC		SD-116	AB-90	SDF-26	
SD-78L	AH-28	SD-91		SD-116N		SDF-26SS	
SD-78LCA	AH-30	SD-91SS		SD-116S		SDF-30N	AF-7
SD-78LP	AH-29	SD-92	AG-9	SD-116W		SDF-30S	AD-51
SD-78LPC		SD-92½	AG-10	SD-119	AA-74	SDF-30SN	
SD-78S	AH-31	SD-92½P		SD-119N		SDF-30-1	AF-3
SD-78SE	AH-32	SD-93	AG-14	SD-119W		SDF-30-1G	
SD-78SN		SD-93S	AG-22	SD-125		SDF-30-2	AF-16
SD-78SW		SD-93½		SD-125SS		SDF-30-2P	
SD-78W		SD-93½S		SD-125SSN		SDF-30-2S	
SD-78½	AH-34	SD-94	AB-24	SD-125½		SDF-30-2SS	
SD-78½P	AH-36	SD-94S		SD-126		SDF-30-2SSN	
SD-78½PC		SD-94SN		SD-126P		SDF-31-1	AF-1
SD-79	AB-32	SD-94SW		SD-126SS		SDF-31-1S	
SD-79S		SD-94W		SD-126½		SDF-32	AF-8
SD-79SW		SD-96	AA-30	SD-126½S		SDF-33	AF-21
SD-80M	AH-13	SD-96B		SD-126½SS		SDF-34	AF-20
SD-80MA	AH-19	SD-96C	AA-29	SD-126½SSN		SDF-40	AA-60
SD-80MB	AH-17	SD-96CSS		SD-130		SDF-41	AL-9
SD-80MC	AH-15	SD-96K		SD-130S		SDF-41S	AL-8
SD-80N		SD-96T		SD-130SW		SDF-42C	
SD-80S		SD-96TC		SD-131		SDF-42CSS	
SD-81M	AH-12	SD-96TCL		SD-300	AG-19	SDF-42LN	
SD-81M-Short		SD-96TCP		SD-300P		SDF-42S	AA-58
SD-81MA	AH-18	SD-97	AG-16	TS-3	AB-1	SDF-43S	AL-10
SD-81MB	AH-16	SD-97S		TS-3S		SDF-44	AA-57
SD-81MC	AH-14	SD-98	AB-33	TS-3SW		SDF-44SS	
SD-83		SD-98B	AB-34	TS-4		SDF-45F	
SD-85L	AG-11	SD-98BSS		TS-5		SDF-46	
SD-85N		SD-98T		TS-6	AB-58	SDF-46B	
SD-85NP		SD-98TC		TS-6N		SDF-46E	
SD-85R	AG-17	SD-98TCL		TS-6W		SDF-46ES	
SD-85S		SD-98TP		SDF-1	AC-10	SDF-46G	
SD-85SW		SD-98½T		SDF-1DP		SDF-46N	AA-10
SD-85T	AG-8	SD-98½TC		SDF-1S		SDF-46P	
SD-85½	AG-15	SD-98½TCL		SDF-1SS		SDF-49	AA-44
SD-85½B		SD-98½TP		SDF-155N		SDF-50	AA-50
SD-85½P		SD-99		SDF-10C	AC-2	SDF-50B	
SD-86C		SD-99P		SDF-5	AB-88	SDF-50BB	
SD-86L		SD-99½		SDF-5S		SDF-50E	AA-31
SD-86N	AG-18	SD-100	AB-27	SDF-6	AC-4	SDF-50-OC	
SD-86NP		SD-100S		SDF-6S		SDF-50ES	AA-21
SD-86P		SD-100SS		SDF-10	AD-28	SDF-50P	AA-6
SD-86R		SD-101	AB-13	SDF-10P		SDF-50S	
SD-86S		SD-104	AB-14	SDF-10S		SDF-50SS	
SD-87	AG-2	SD-104C	AB-40	SDF-10SS		SDF-53	AA-40
SD-87S		SD-104CP		SDF-15	AE-7	SDF-53S	
SD-87SS		SD-104CSS		SDF-15P		SDF-53SS	
SD-87SSN		SD-105	AB-44	SDF-18	AB-75	SDF-54	AA-39

NUMERICAL PARTS LIST

Part No.	Key No.	Part No.	Key No.	Part No.	Key No.	Part No.	Key No.
SDF-54P		SDF-76SS		SDF-101	AC-32	SDF-14488	
SDF-55		SDF-76W		SDF-101C	AA-31	SDF-144E	
SDF-555S		SDF-77		SDF-103	AC-28	SDF-144SS	
SDF-56		SDF-77LB		SDF-104	AC-30	SDF-145	AC-7
SDF-58-1	AK-9	SDF-77P		SDF-104P		SDF-1455S	
SDF-58-2		SDF-77SS		SDF-104SS		SDF-146	AC-8
SDF-58-3		SDF-77U8		SDF-109	AC-35	SDF-146N	
SDF-58-4	AK-6	SDF-78		SDF-109SS		SDF-147	AB-79
SDF-58-5	AK-8	SDF-78P		SDF-110	AC-33	SDF-148	AB-77
SDF-58-6		SDF-78PSS		SDF-111	AC-27	SDF-148SS	
SDF-58-7		SDF-80	AA-4	SDF-112	AC-11	SDF-149	AD-40
SDF-58-8		SDF-80B		SDF-113	AC-22	SDF-149P	AD-39
SDF-60	AA-45	SDF-80BB		SDF-113N		SDF-149S	
SDF-60B		SDF-80C		SDF-113W		SDF-150	AC-9
SDF-60C		SDF-80CSS		SDF-114	AC-14	SDF-150SS	
SDF-60ES		SDF-80ES		SDF-114E		SDF-151	AD-36
SDF-60LP	AA-23	SDF-80-OC		SDF-115	AC-12	SDF-151S	AD-12
SDF-60P		SDF-80P	AA-48	SDF-115S		SDF-151SN	
SDF-60RU		SDF-80S	AA-46	SDF-115SW		SDF-152	AD-56
SDF-60S	AA-24	SDF-80SN		SDF-120	AC-13	SDF-152E	AD-42
SDF-60SN		SDF-80SS		SDF-120G		SDF-152ES	AD-37
SDF-60SW		SDF-80SW		SDF-120GS	AC-21	SDF-152S	AD-13
SDF-61	AA-47	SDF-81	AA-51	SDF-120P		SDF-153	AD-38
SDF-62	AA-28	SDF-81S		SDF-120S		SDF-153P	AD-41
SDF-62B		SDF-82	AA-18	SDF-120-1		SDF-160	AD-1
SDF-62N		SDF-82S		SDF-120-2		SDF-160SS	
SDF-62P		SDF-83	AA-34	SDF-120-4		SDF-161	AD-25
SDF-62PP		SDF-83B		SDF-120-5		SDF-161W	AD-26
SDF-62S		SDF-83BB		SDF-120-6		SDF-161WP	
SDF-63	AA-35	SDF-83BS		SDF-120-7		SDF-162	AD-55
SDF-63B		SDF-83S	AA-32	SDF-120½GS		SDF-162F	
SDF-63BB	AA-36	SDF-83T		SDF-121	AC-36	SDF-162P	
SDF-63P		SDF-83TC		SDF-121G		SDF-162S	
SDF-63PSS		SDF-83TCS		SDF-121S		SDF-163	AD-53
SDF-63S		SDF-86	AA-1	SDF-123	AC-37	SDF-163B	
SDF-63SS		SDF-86LN		SDF-123S		SDF-163K	
SDF-64	AA-33	SDF-86N		SDF-124	AC-34	SDF-164	AD-52
SDF-64ES		SDF-86NP		SDF-124CP		SDF-164E	AD-46
SDF-65	AA-49	SDF-86P		SDF-125	AC-29	SDF-164K	
SDF-67	AA-63	SDF-86S		SDF-125SS		SDF-165	AD-32
SDF-67B	AA-62	SDF-86SS		SDF-128	AC-24	SDF-165K	
SDF-67P		SDF-88	AA-16	SDF-128E		SDF-165P	
SDF-67S		SDF-88B		SDF-129	AC-23	SDF-166	
SDF-67½S		SDF-88BB		SDF-132	AC-26	SDF-166P	
SDF-68	AL-25	SDF-88C		SDF-132S	AC-38	SDF-168	AD-31
SDF-68A	AL-26	SDF-88E	AA-27	SDF-132½S		SDF-168C	AD-47
SDF-70	AA-2	SDF-88ES		SDF-133	AC-25	SDF-168CS	
SDF-70B		SDF-88P	AA-7	SDF-133S	AC-3	SDF-168R	
SDF-70W		SDF-89	AA-11	SDF-133SN		SDF-169	AD-30
SDF-70WP		SDF-89BB		SDF-135	AC-5	SDF-169K	
SDF-74	AA-20	SDF-89P	AA-13	SDF-135P		SDF-172LH	AD-2
SDF-74C	AA-19	SDF-90	AA-14	SDF-135S		SDF-172RH	AD-23
SDF-74CSS		SDF-90C		SDF-135-1		SDF-172S	AD-27
SDF-75	AA-17	SDF-91	AA-15	SDF-135-3		SDF-173	AD-22
SDF-75B		SDF-91P		SDF-136	AB-83	SDF-173CP	
SDF-75BB	AA-3	SDF-92	AA-12	SDF-136S		SDF-173SS	
SDF-75BS		SDF-93	AA-8	SDF-139	AC-6	SDF-174	AD-3
SDF-75C		SDF-93P		SDF-139E		SDF-174P	
SDF-75E	AA-38	SDF-94	AA-9	SDF-141		SDF-174S	
SDF-75ES	AA-37	SDF-94P		SDF-141P		SDF-175	AD-43
SDF-75N		SDF-95		SDF-142	AC-89	SDF-175GP	
SDF-75P		SDF-95SS		SDF-142P		SDF-175P	
SDF-76		SDF-96		SDF-143	AB-78	SDF-175S	AD-44
SDF-76BB	AA-5	SDF-97		SDF-143E	AB-81	SDF-176	AD-11
SDF-76S		SDF-97P		SDF-144	AB-84	SDF-177	AD-10

NUMERICAL PARTS LIST

Part No.	Key No.	Part No.	Key No.	Part No.	Key No.	Part No.	Key No.
SDF-180		SDF-225SS		SDF-273		SDF-315	AK-15
SDF-180K		SDF-226		SDF-275	AE-25	SDF-316	AK-14
SDF-181		SDF-227	AA-25	SDF-275P	AE-31	SDF-338	AK-12
SDF-183		SDF-227B		SDF-275S	AE-24	SDF-340	
SDF-183K		SDF-227ES	AA-26	SDF-276	AE-12	SDF-340C	
SDF-183W		SDF-227P		SDF-276E	AE-9	SDF-340-SS	
SDF-184	AD-48	SDF-227S		SDF-276K		SDF-340P	
SDF-185	AD-35	SDF-227SS		SDF-284	AH-47	SDF-341	AD-57
SDF-186	AD-14	SDF-230	AE-3	SDF-285		SDF-341S	
SDF-186S		SDF-230S		SDF-285SN		SDF-346	AD-9
SDF-187	AD-45	SDF-230-1	AE-1	SDF-285SS		SDF-346P	
SDF-187S	AD-54	SDF-230-2	AE-2	SDF-286	AH-48	SDF-349	AD-16
SDF-188	AD-33	SDF-244	AD-6	SDF-287	AH-44	SDF-360	AE-13
SDF-188S	AD-19	SDF-244S	AD-5	SDF-287N	AH-45	SDF-360B	
SDF-188SE	AD-20	SDF-246	AD-8	SDF-287S	AH-46	SDF-360K	
SDF-189	AD-15	SDF-246E		SDF-287W	AH-38	SDF-370	AL-7
SDF-189P		SDF-246S	AD-7	SDF-288	AH-40	SDF-372S	AL-5
SDF-189S		SDF-250	AE-34	SDF-289	AH-43	SDF-375	AL-2
SDF-191	AD-34	SDF-251	AE-16	SDF-290		SDF-376-1	AL-4
SDF-195	AC-16	SDF-251S		SDF-291	AB-31	SDF-376S	AL-21
SDF-196	AC-17	SDF-252	AE-18	SDF-291P	AB-43	SDF-381	AL-1
SDF-197	AC-19	SDF-252SS		SDF-291PN		SDF-382	AL-18
SDF-198	AC-18	SDF-253	AE-14	SDF-292	AH-37	SDF-383	AL-6
SDF-199	AC-20	SDF-253SS		SDF-293	AH-39	SDF-384	AL-3
SDF-199B	AA-22	SDF-254LH	AE-4	SDF-300	AK-18	SDF-385	AL-20
SDF-199K		SDF-254RH	AE-17	SDF-300F	AK-7	SDF-386	AL-19
SDF-200	AC-1	SDF-254S	AE-35	SDF-300S		SDF-388	AL-11
SDF-200K		SDF-255	AE-5	SDF-300SN		SDF-389	AL-27
SDF-200SS		SDF-256		SDF-300-1	AK-5	SDF-390	AL-23
SDF-201	AC-15	SDF-256SS		SDF-300-2		SDF-391	AL-28
SDF-202	AB-35	SDF-257	AE-32	SDF-300-3		SDF-392	AL-29
SDF-202B	AB-36	SDF-257SS		SDF-300-6		SDF-393	AL-17
SDF-203		SDF-258	AE-33	SDF-300-7		SDF-393½	AL-24
SDF-203-OC		SDF-258-W	AE-21	SDF-300-8		SDF-394	AL-13
SDF-203S		SDF-258½S		SDF-301	AK-19	SDF-395	AL-12
SDF-203SN		SDF-259	AE-22	SDF-301S		SDF-396	AL-16
SDF-203SS		SDF-260	AE-11	SDF-301SW		SDF-396-3	AL-22
SDF-203W		SDF-260B		SDF-303	AK-2	SDF-397	AL-14
SDF-207	AF-15	SDF-260BSS		SDF-303K	AK-3	SDF-397-5	AL-15
SDF-207E	AF-19	SDF-260C	AE-10	SDF-303SS		SDF-398	
SDF-207ES		SDF-260CSS		SDF-304		SDF-399	AH-1
SDF-207N	AF-22	SDF-261	AE-29	SDF-304F	AK-17	SDF-407	AH-25
SDF-207S	AF-23	SDF-262	AE-27	SDF-304K	AK-16	SDF-407E	AH-20
SDF-211	AF-2	SDF-262K		SDF-304SS		SDF-407N	AH-21
SDF-211P		SDF-263	AE-19	SDF-305	AK-1	SDF-407S	
SDF-211SS		SDF-263C	AE-26	SDF-305G	AK-20	SDF-407½	AH-26
SDF-213	AF-18	SDF-263CSS		SDF-306	AK-22	SDF-408	AH-22
SDF-213E	AF-11	SDF-263W	AE-20	SDF-307	AK-24	SDF-408½	AH-24
SDF-213SS		SDF-263WP		SDF-307S		SDF-409	AH-23
SDF-214	AF-13	SDF-264		SDF-308	AK-23	SDF-410	
SDF-214SS		SDF-264K		SDF-308S		SDF-410N	
SDF-215	AF-12	SDF-265	AE-30	SDF-308½	AK-21	SDF-411	
SDF-215SS		SDF-265E		SDF-308½S		SDF-415	
SDF-216	AF-4	SDF-265P		SDF-308½SN		SDF-415P	
SDF-216P	AF-5	SDF-266	AD-18	SDF-309	AK-25	SDF-416	
SDF-216SS		SDF-267	AD-17	SDF-309SN		SDF-416N	
SDF-217	AF-9	SDF-267P		SDF-309SW		SDF-418	AB-48
SDF-217S	AF-6	SDF-267½P		SDF-310	AK-26	SDF-419	AB-47
SDF-217SN		SDF-270	AD-49	SDF-310S		SDF-419CP	
SDF-220	AF-14	SDF-270B	AD-50	SDF-310SN		SDF-421	
SDF-222	AD-21	SDF-270K		SDF-310SW		SDF-422	AB-53
SDF-222S		SDF-270P		SDF-313-8	AK-13	SDF-422SS	
SDF-223	AD-29	SDF-270SS		SDF-313-15	AK-10	SDF-425	AH-8
SDF-223S		SDF-271		SDF-313-24	AK-11	SDF-428	AH-7
SDF-225	AE-23	SDF-272	AE-28	SDF-314	AK-4	SDF-429	

NUMERICAL PARTS LIST

Part No.	Key No.	Part No.	Key No.	Part No.	Key No.	Part No.	Key No.
SDF-429CP		SDF-443	AH-27	SDF-901S		SDF-909C	AJ-10
SDF-429SS		SDF-475	AD-24	SDF-902	AJ-17	SDF-910	AJ-4
SDF-429W		SDF-468		SDF-902P	AJ-16	SDF-910SS	
SDF-432	AH-9	SDF-469		SDF-903	AJ-18	SDF-911	AJ-6
SDF-432K		SDF-475	AE-15	SDF-903N	AJ-15	SDF-911E	
SDF-436	AH-3	SDF-477	AD-4	SDF-904	AJ-14	SDF-911S	AJ-7
SDF-436E	AH-2	SDF-477	AE-6	SDF-905	AJ-1	SDF-911SN	AJ-8
SDF-437	AH-10	SDF-485	AH-17	SDF-906	AJ-3	SDF-912	AJ-9
SDF-438	AH-5	SDF-485S		SDF-906S		SDF-912S	
SDF-439	AH-6	SDF-810		SDF-906½S		SDF-913	AJ-5
SDF-440	AH-4	SDF-900	AJ-12	SDF-908	AJ-2	SDF-913P	
SDF-440N	AH-11	SDF-901	AJ-13	SDF-908S			
SDF-440S		SDF-901BB		SDF-908SS			
SDF-440SS		SDF-901E		SDF-909	AJ-11		